

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU060319\
 Data File : VU032395.D
 Acq On : 03 Jun 2019 16:00
 Operator : JC/SP
 Sample : VSTD02012
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD02012

Quant Time: Jun 04 08:33:42 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	110918	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.08	117	109410	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.48	152	57901	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.39	65	198485	20.12	ug/L	0.00
7) Chloroethane-d5	1.65	69	156626	12.86	ug/L	-0.02
11) 1,1-Dichloroethene-d2	2.27	63	486530	20.37	ug/L	0.00
20) 2-Butanone-d5	4.18	46	490619	203.18	ug/L	-0.01
24) Chloroform-d	4.64	84	318659	20.50	ug/L	0.00
26) 1,2-Dichloroethane-d4	5.30	65	173795	20.50	ug/L	0.00
32) Benzene-d6	5.33	84	606115	20.50	ug/L	0.00
36) 1,2-Dichloropropane-d6	6.32	67	196647	20.32	ug/L	0.00
41) Toluene-d8	7.56	98	573216	20.51	ug/L	0.00
43) trans-1,3-Dichloropropene-	7.84	79	93638	20.38	ug/L	0.00
46) 2-Hexanone-d5	8.31	63	443888	215.62	ug/L	0.00
57) 1,1,2,2-Tetrachloroethane-	10.43	84	178505	22.06	ug/L	0.00
64) 1,2-Dichlorobenzene-d4	11.86	152	223698	20.65	ug/L	0.00

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.20	85	364703	19.934 ug/L	99
3) Chloromethane	1.32	50	367224	19.626 ug/L	99
5) Vinyl chloride	1.40	62	397405	19.844 ug/L	100
6) Bromomethane	1.60	94	415264	29.709 ug/L	99
8) Chloroethane	1.68	64	239872	12.325 ug/L	99
9) Trichlorofluoromethane	1.87	101	552843	19.341 ug/L	99
10) 1,1,2-Trichloro-1,2,2-trif	2.28	101	315140	20.119 ug/L	99
12) 1,1-Dichloroethene	2.27	96	303633	20.815 ug/L	95
13) Acetone	2.32	43	756297	197.850 ug/L	96
14) Carbon disulfide	2.47	76	981263	19.965 ug/L	99
15) Methyl Acetate	2.61	43	180191	19.642 ug/L	97
16) Methylene chloride	2.69	84	330848	19.836 ug/L	98
17) Methyl tert-butyl Ether	3.00	73	933283	19.594 ug/L	100
18) trans-1,2-Dichloroethene	2.97	96	323889	19.494 ug/L	98
19) 1,1-Dichloroethane	3.43	63	552270	19.981 ug/L	99
21) 2-Butanone	4.26	43	1017624	199.533 ug/L	99
22) cis-1,2-Dichloroethene	4.21	96	313793	19.926 ug/L	98
23) Bromochloromethane	4.54	128	134022	20.585 ug/L	99
25) Chloroform	4.66	83	562080	19.682 ug/L	99
27) 1,2-Dichloroethane	5.40	62	396834	19.992 ug/L	100
29) 1,1,1-Trichloroethane	4.90	97	499335	19.640 ug/L	100
30) Cyclohexane	4.98	56	538587	19.358 ug/L	99
31) Carbon tetrachloride	5.12	117	453634	20.149 ug/L	99
33) Benzene	5.38	78	1212501	19.681 ug/L	100
34) Trichloroethene	6.18	95	330194	19.841 ug/L	99
35) Methylcyclohexane	6.41	83	548561	19.536 ug/L	99
37) 1,2-Dichloropropane	6.43	63	335482	20.159 ug/L	100
38) Bromodichloromethane	6.75	83	441606	20.020 ug/L	99
39) cis-1,3-Dichloropropene	7.26	75	539462	19.735 ug/L	97
40) 4-Methyl-2-pentanone	7.46	43	2624873	207.686 ug/L	100

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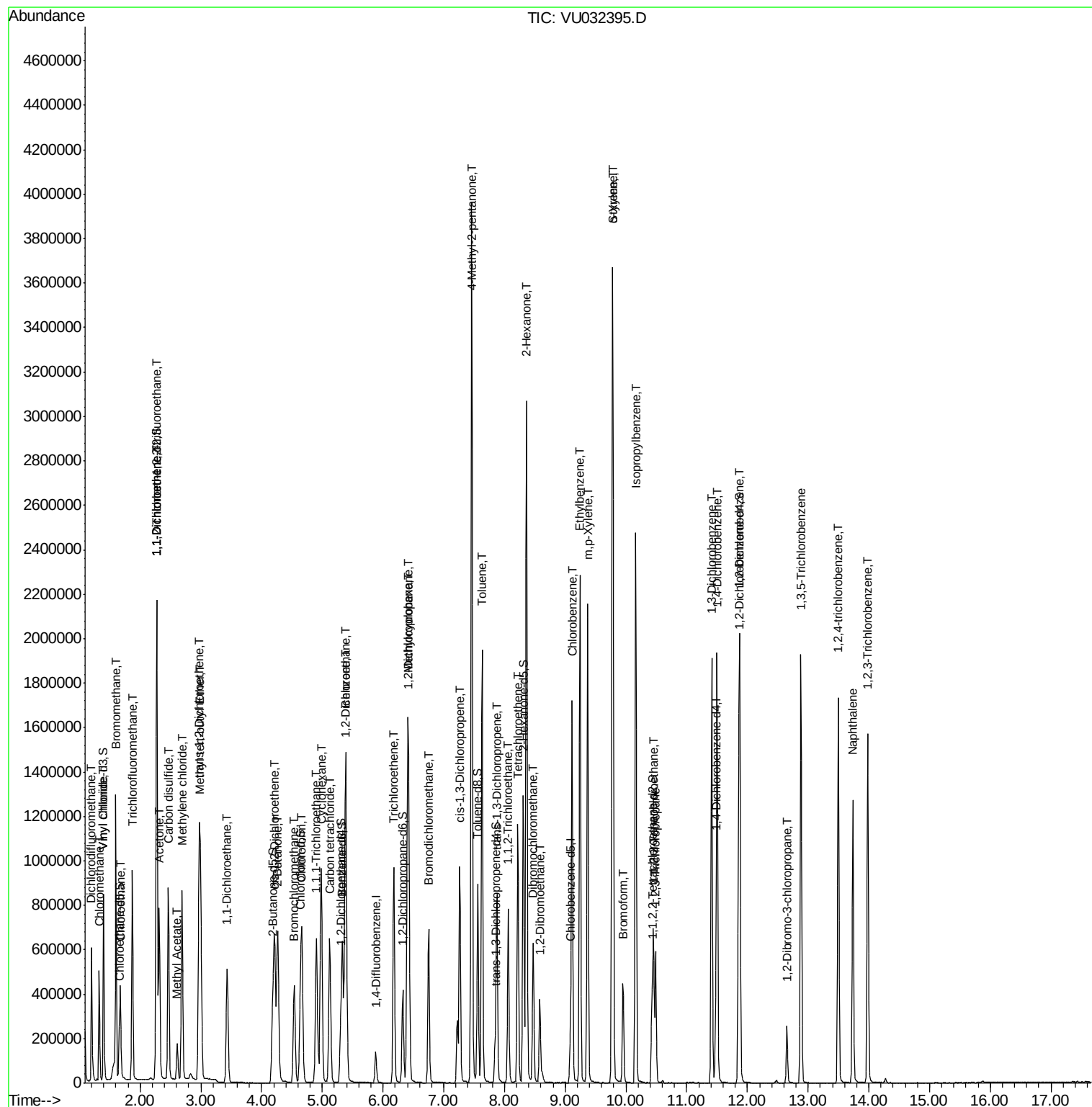
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
42) Toluene	7.63	91	1336013	19.830	ug/L	99
44) trans-1,3-Dichloropropene	7.87	75	446291	20.155	ug/L	99
45) 1,1,2-Trichloroethane	8.06	97	229145	19.494	ug/L	97
47) Tetrachloroethene	8.22	164	235896	20.326	ug/L	97
48) 2-Hexanone	8.36	43	1938766	209.750	ug/L	99
49) Dibromochloromethane	8.47	129	304890	20.662	ug/L	97
50) 1,2-Dibromoethane	8.58	107	234333	20.189	ug/L	98
51) Chlorobenzene	9.11	112	845790	20.458	ug/L	100
52) Ethylbenzene	9.24	91	1549547	20.249	ug/L	99
53) m,p-Xylene	9.37	106	578047	20.365	ug/L	99
54) o-Xylene	9.77	106	571858	20.385	ug/L	99
55) Styrene	9.79	104	998142	21.168	ug/L	98
56) Isopropylbenzene	10.16	105	1535348	20.773	ug/L	100
58) 1,1,2,2-Tetrachloroethane	10.45	83	333781	21.542	ug/L	98
59) 1,2,3-Trichloropropane	10.49	75	233464	21.244	ug/L	99
61) Bromoform	9.95	173	191798	20.581	ug/L	99
62) 1,3-Dichlorobenzene	11.41	146	698372	19.912	ug/L	99
63) 1,4-Dichlorobenzene	11.50	146	701003	19.941	ug/L	98
65) 1,2-Dichlorobenzene	11.87	146	675864	20.285	ug/L	99
66) 1,2-Dibromo-3-chloropropan	12.65	75	66073	20.142	ug/L	94
67) 1,3,5-Trichlorobenzene	12.88	180	563634	20.767	ug/L	99
68) 1,2,4-trichlorobenzene	13.50	180	493297	20.925	ug/L	98
69) Naphthalene	13.74	128	976250	21.051	ug/L	99
70) 1,2,3-Trichlorobenzene	13.98	180	450847	20.384	ug/L	99

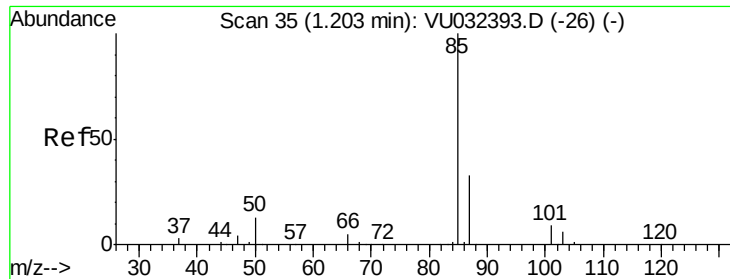
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#2

Dichlorodifluoromethane

Concen: 19.934 ug/L

RT: 1.20 min Scan# 34

Delta R.T. -0.00 min

Lab File: VU032395.D

Acq: 03 Jun 2019 16:00

Instrument :

MSVOA_U

ClientSampleId :

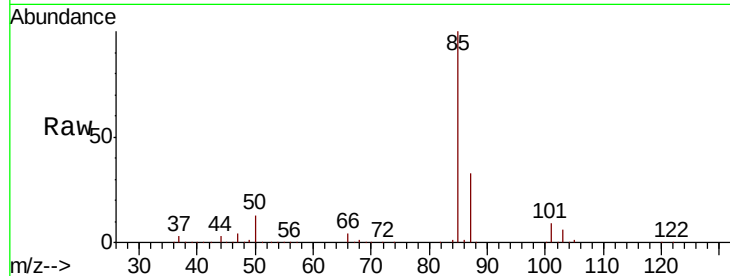
VSTD02012

Tgt Ion: 85 Resp: 364703

Ion Ratio Lower Upper

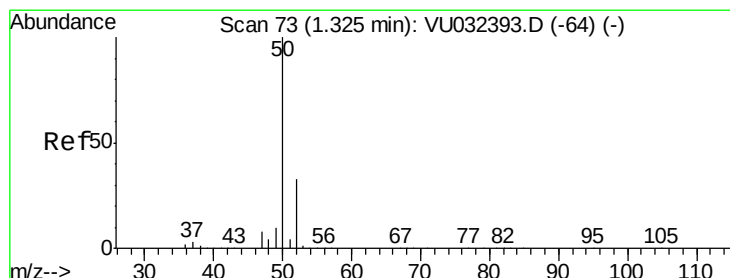
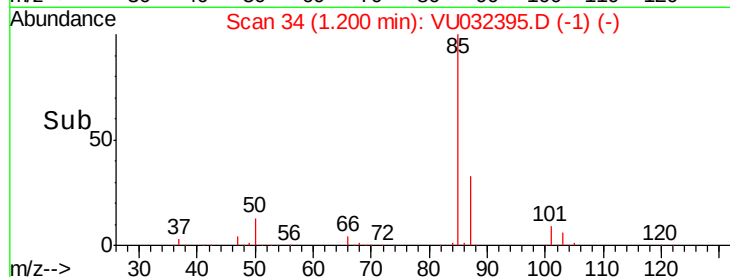
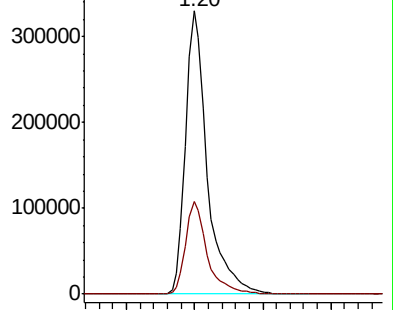
85 100

87 32.6 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: 19.626 ug/L

RT: 1.32 min Scan# 73

Delta R.T. 0.00 min

Lab File: VU032395.D

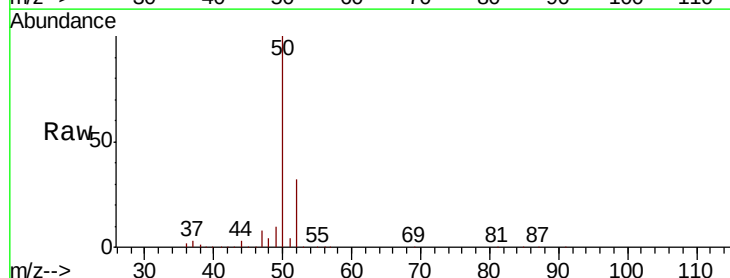
Acq: 03 Jun 2019 16:00

Tgt Ion: 50 Resp: 367224

Ion Ratio Lower Upper

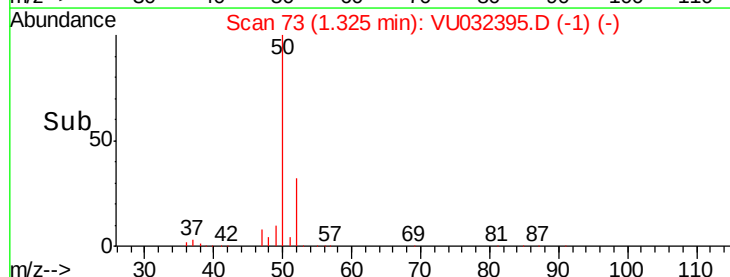
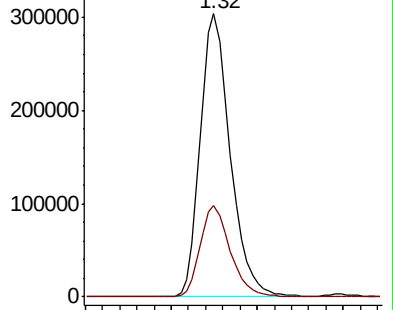
50 100

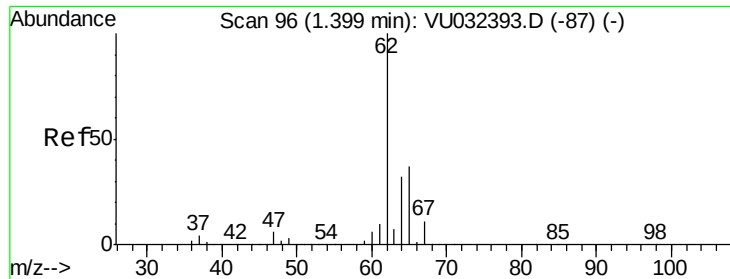
52 32.3 23.0 42.8



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: 19.844 ug/L

RT: 1.40 min Scan# 96

Delta R.T. 0.00 min

Lab File: VU032395.D

Acq: 03 Jun 2019 16:00

Instrument :

MSVOA_U

ClientSampleId :

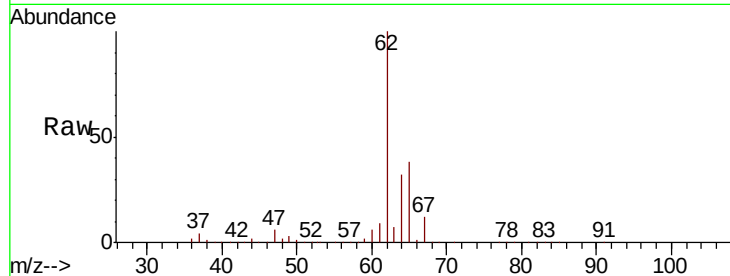
VSTD02012

Tgt Ion: 62 Resp: 397405

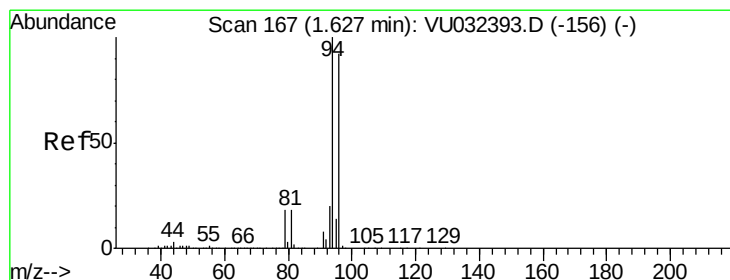
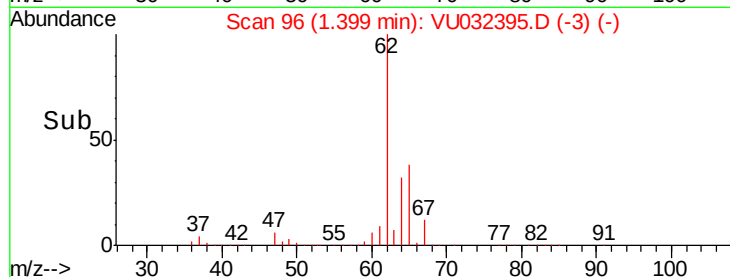
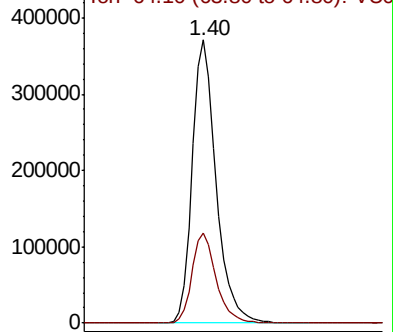
Ion Ratio Lower Upper

62 100

64 31.8 22.3 41.3



Abundance Ion 62.00 (61.70 to 62.70): VU032395.D (-87) (-)



#6

Bromomethane

Concen: 29.709 ug/L

RT: 1.60 min Scan# 159

Delta R.T. -0.03 min

Lab File: VU032395.D

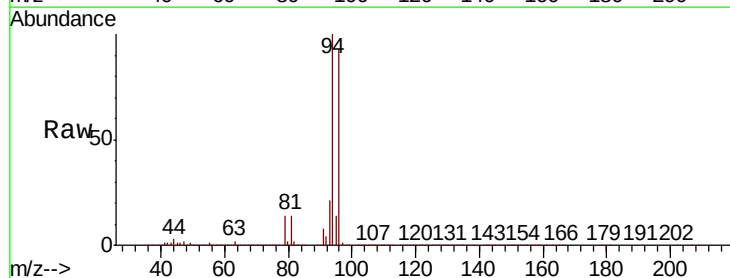
Acq: 03 Jun 2019 16:00

Tgt Ion: 94 Resp: 415264

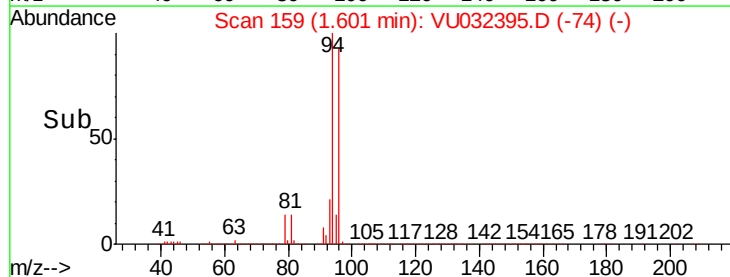
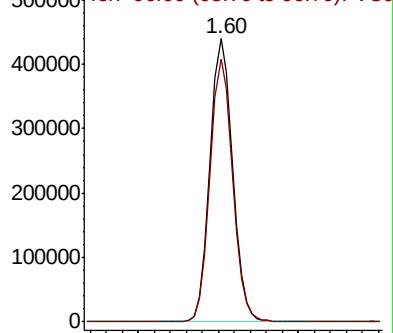
Ion Ratio Lower Upper

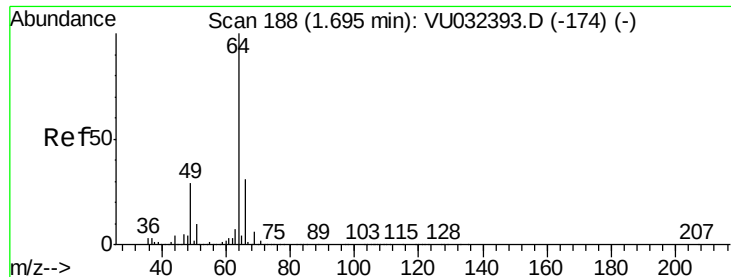
94 100

96 92.9 64.2 119.2



Abundance Ion 94.00 (93.70 to 94.70): VU032395.D (-156) (-)

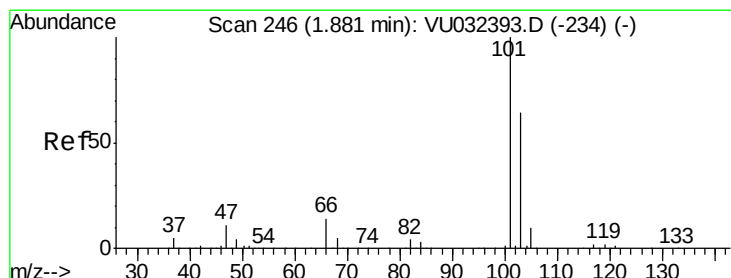
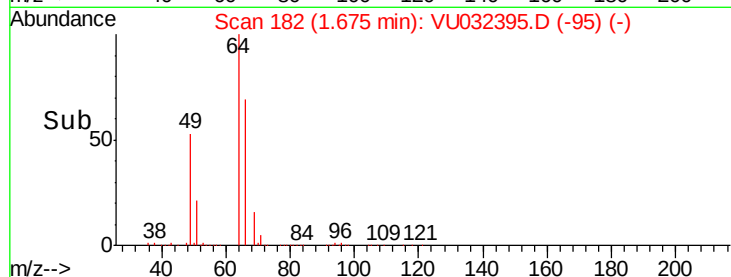
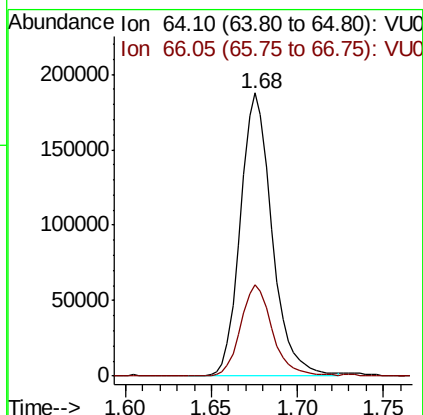
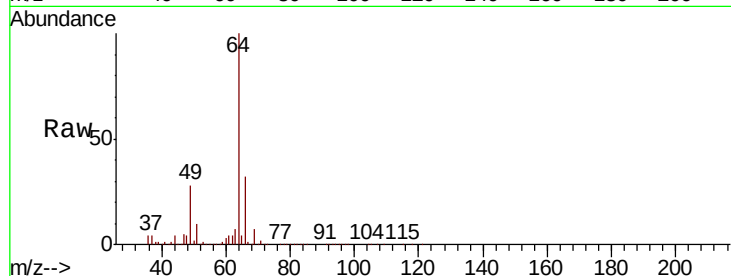




#8
Chloroethane
Concen: 12.325 ug/L
RT: 1.68 min Scan# 182
Delta R.T. -0.02 min
Lab File: VU032395.D
Acq: 03 Jun 2019 16:00

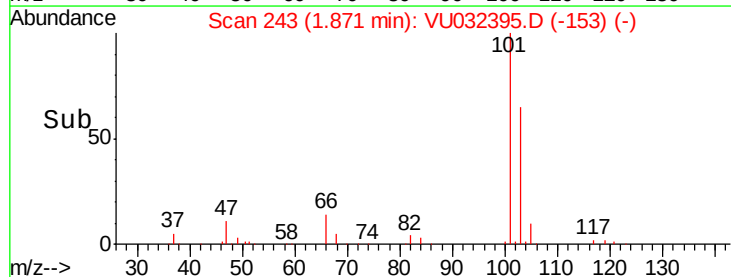
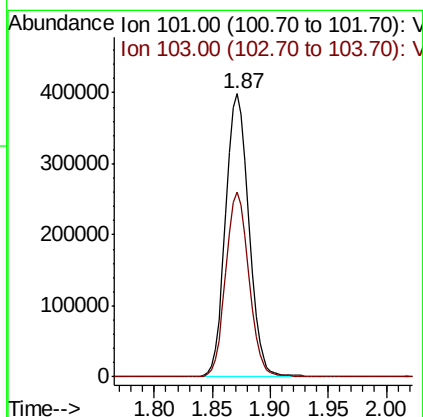
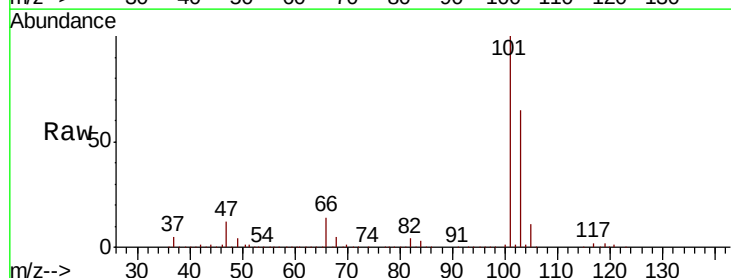
Instrument :
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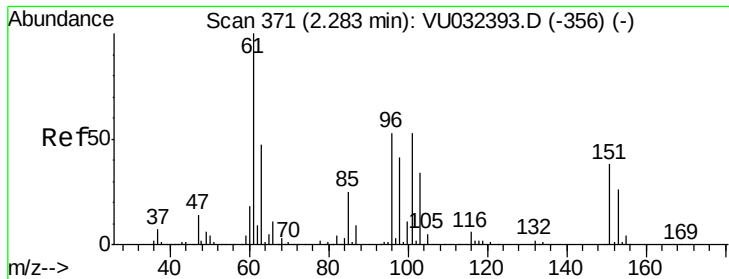
Tgt Ion: 64 Resp: 239872
Ion Ratio Lower Upper
64 100
66 32.3 22.1 41.1



#9
Trichlorofluoromethane
Concen: 19.341 ug/L
RT: 1.87 min Scan# 243
Delta R.T. -0.01 min
Lab File: VU032395.D
Acq: 03 Jun 2019 16:00

Tgt Ion: 101 Resp: 552843
Ion Ratio Lower Upper
101 100
103 64.8 51.3 76.9





#10

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

Concen: 20.119 ug/L

RT: 2.28 min Scan# 369

Delta R.T. -0.01 min

Lab File: VU032395.D

Acq: 03 Jun 2019 16:00

Instrument :

MSVOA_U

ClientSampleId :

VSTD02012

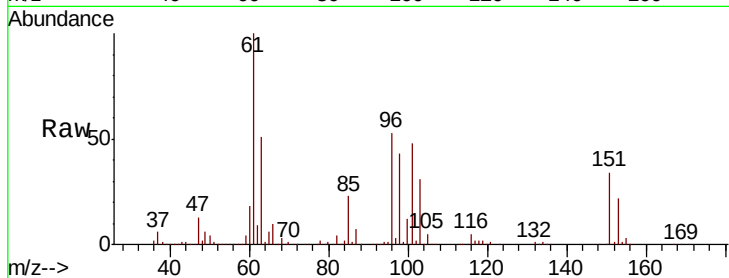
Tgt Ion: 101 Resp: 315140

Ion Ratio Lower Upper

101 100

85 47.0 38.0 57.0

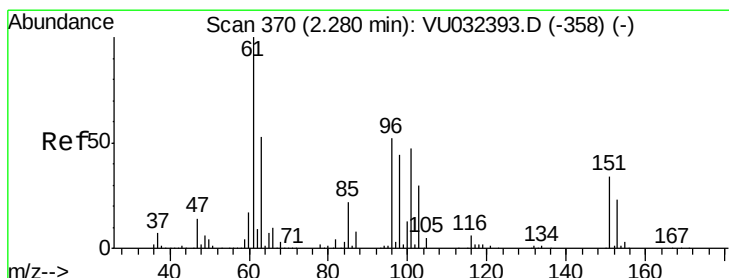
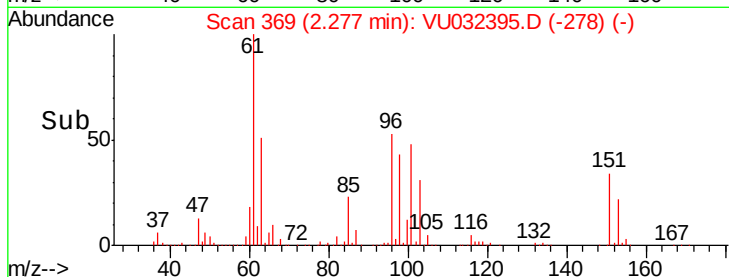
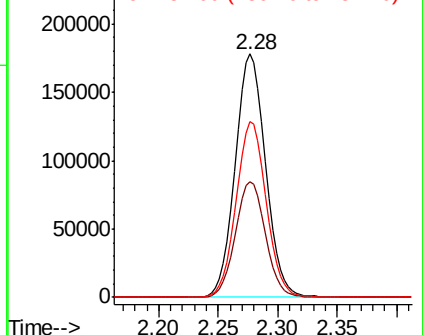
151 71.8 58.1 87.1



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: 20.815 ug/L

RT: 2.27 min Scan# 368

Delta R.T. -0.01 min

Lab File: VU032395.D

Acq: 03 Jun 2019 16:00

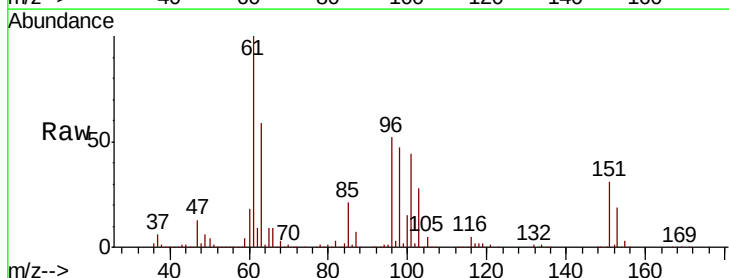
Tgt Ion: 96 Resp: 303633

Ion Ratio Lower Upper

96 100

61 193.6 133.6 248.0

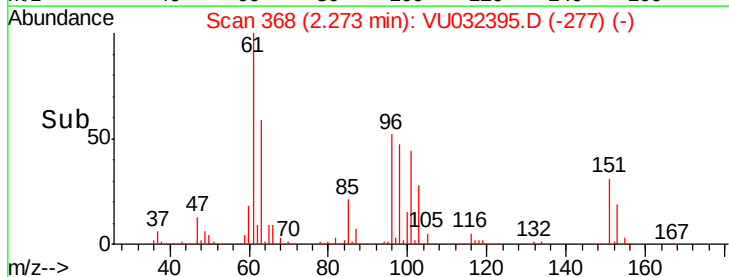
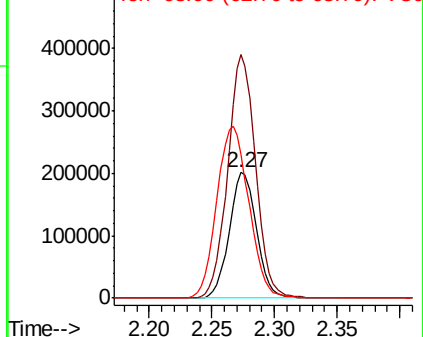
63 114.2 72.4 134.4

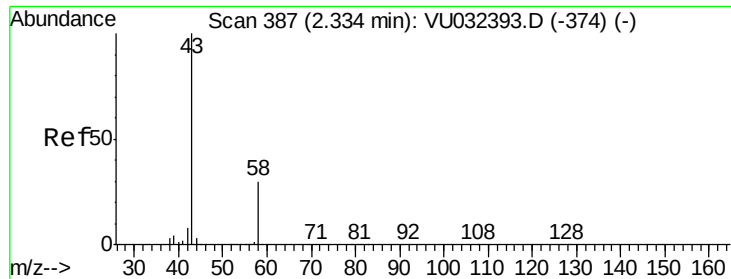


Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.05 (60.75 to 61.75): VU0

Ion 63.00 (62.70 to 63.70): VU0





#13

Acetone

Concen: 197.850 ug/L

RT: 2.32 min Scan# 381

Delta R.T. -0.02 min

Lab File: VU032395.D

Acq: 03 Jun 2019 16:00

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ClientSampleId :

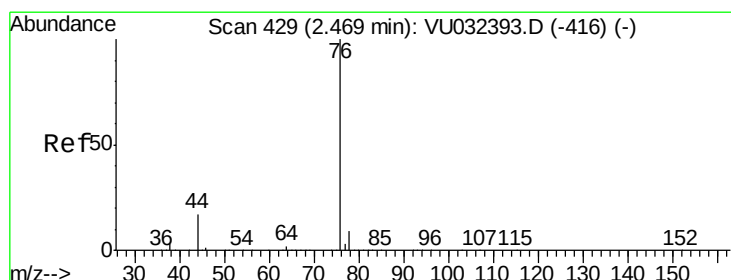
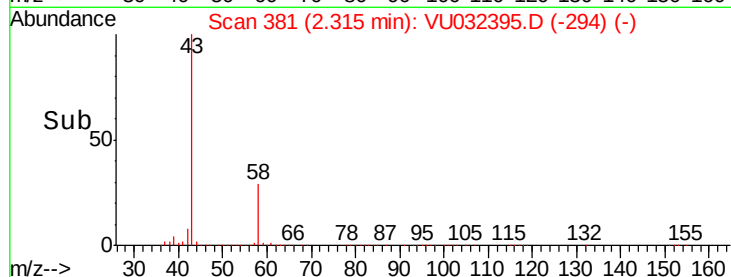
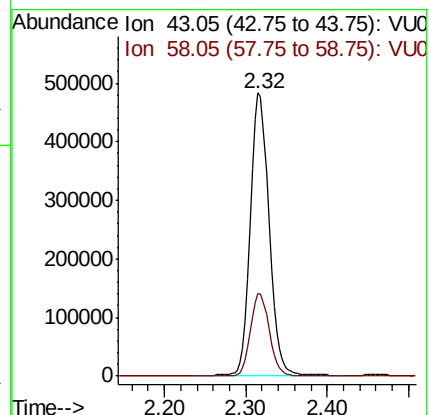
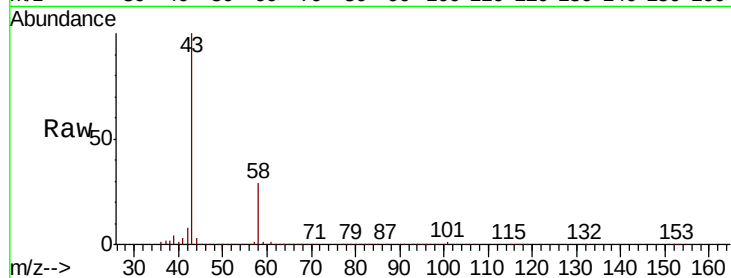
VSTD02012

Tgt Ion: 43 Resp: 756297

Ion Ratio Lower Upper

43 100

58 29.0 0.0 62.2



#14

Carbon disulfide

Concen: 19.965 ug/L

RT: 2.47 min Scan# 428

Delta R.T. -0.00 min

Lab File: VU032395.D

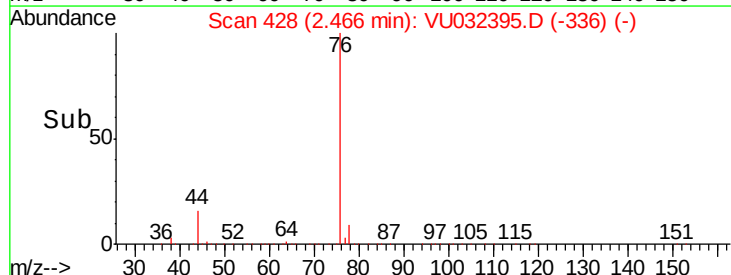
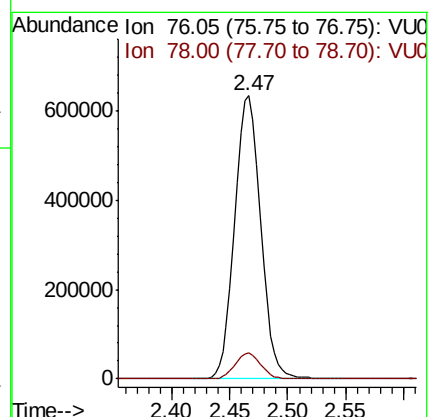
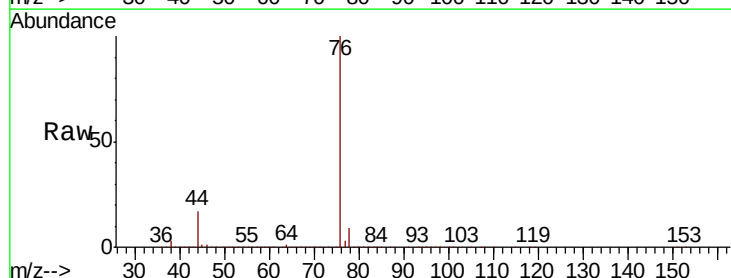
Acq: 03 Jun 2019 16:00

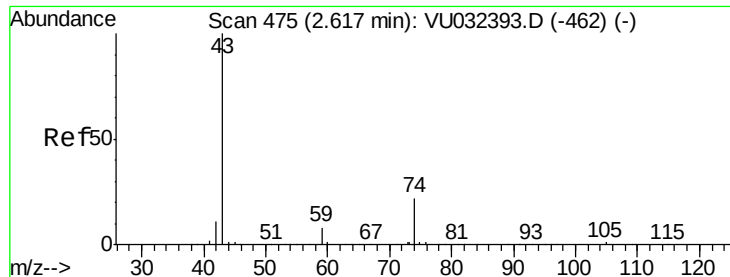
Tgt Ion: 76 Resp: 981263

Ion Ratio Lower Upper

76 100

78 9.1 7.6 11.4





#15

Methyl Acetate

Concen: 19.642 ug/L

RT: 2.61 min Scan# 473

Delta R.T. -0.01 min

Lab File: VU032395.D

Acq: 03 Jun 2019 16:00

Instrument :

MSVOA_U

ClientSampleId :

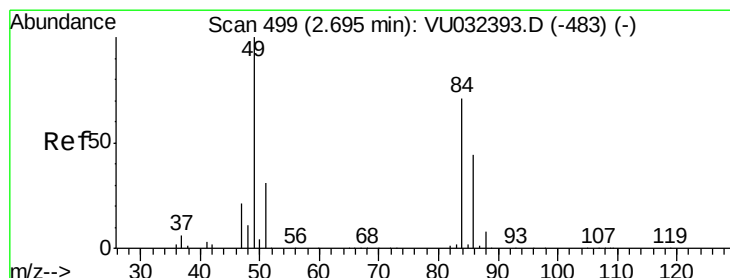
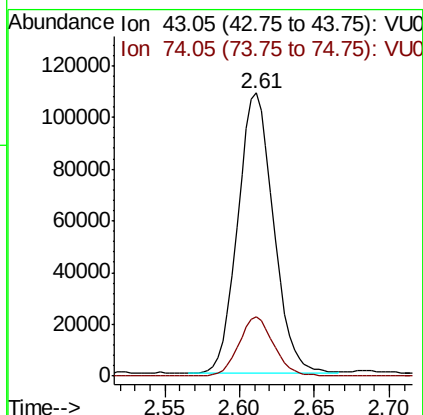
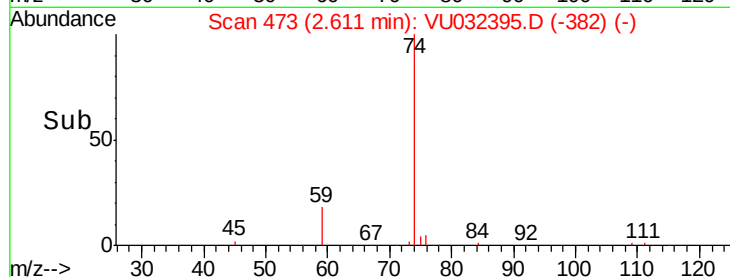
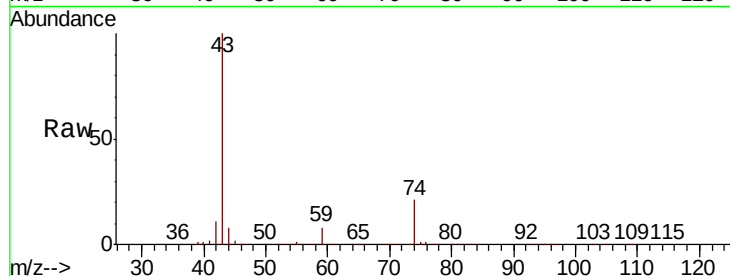
VSTD02012

Tgt Ion: 43 Resp: 180191

Ion Ratio Lower Upper

43 100

74 20.8 17.7 26.5



#16

Methylene chloride

Concen: 19.836 ug/L

RT: 2.69 min Scan# 497

Delta R.T. -0.01 min

Lab File: VU032395.D

Acq: 03 Jun 2019 16:00

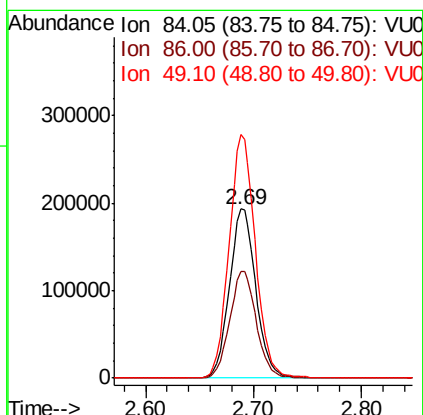
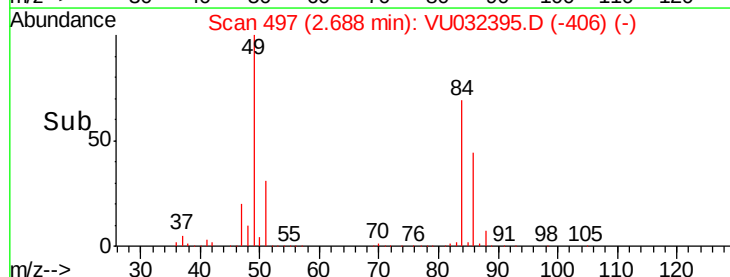
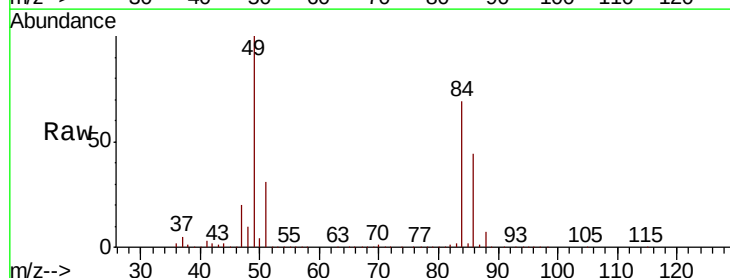
Tgt Ion: 84 Resp: 330848

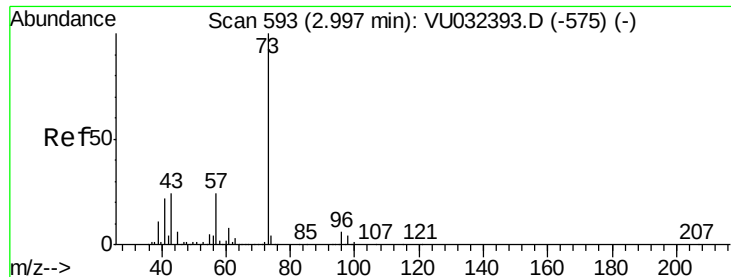
Ion Ratio Lower Upper

84 100

86 62.9 43.8 81.4

49 144.1 98.8 183.6

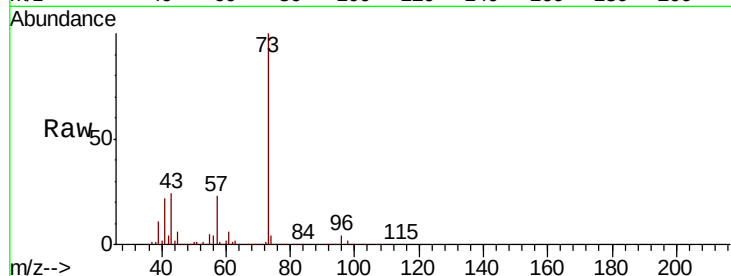




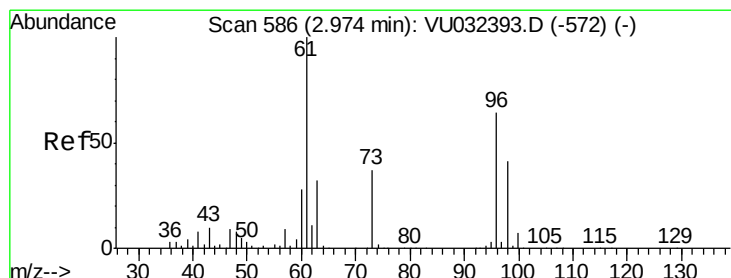
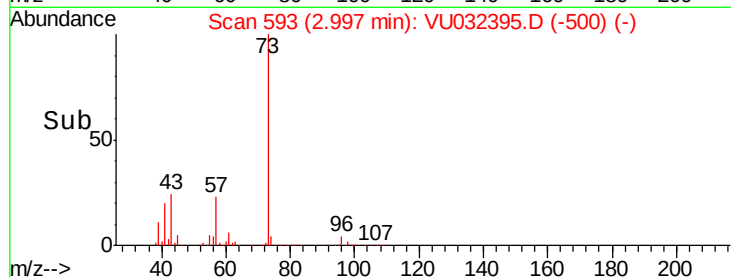
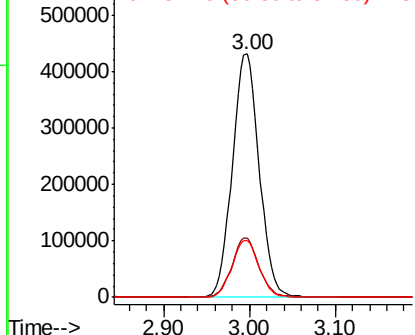
#17
Methyl tert-butyl Ether
Concen: 19.594 ug/L
RT: 3.00 min Scan# 593
Delta R.T. 0.00 min
Lab File: VU032395.D
Acq: 03 Jun 2019 16:00

Instrument :
MSVOA_U
ClientSampleId :
VSTD02012

Tgt Ion: 73 Resp: 933283
Ion Ratio Lower Upper
73 100
43 24.0 19.0 28.4
57 23.4 18.6 28.0

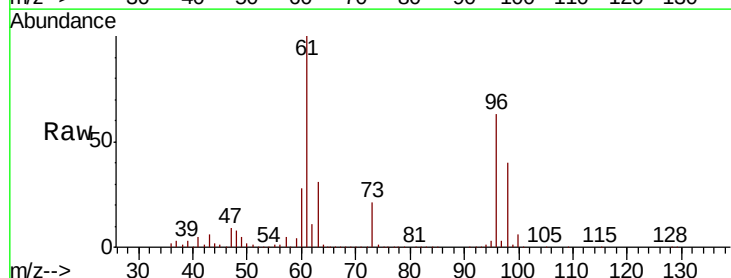


Abundance Ion 73.10 (72.80 to 73.80): VU0
Ion 43.05 (42.75 to 43.75): VU0
Ion 57.10 (56.80 to 57.80): VU0

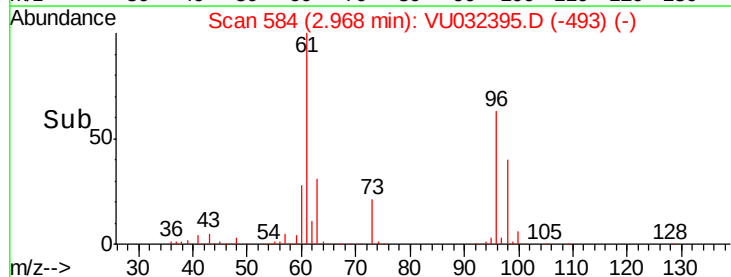
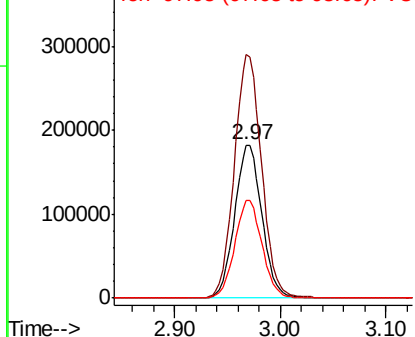


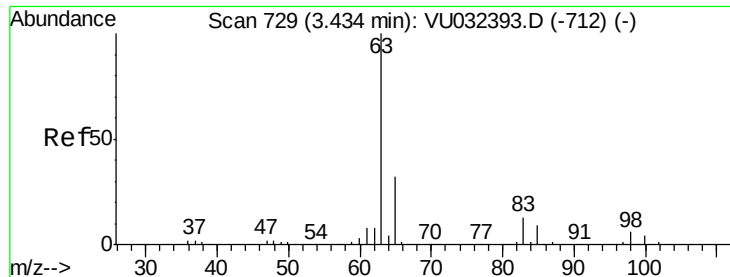
#18
trans-1,2-Dichloroethene
Concen: 19.494 ug/L
RT: 2.97 min Scan# 584
Delta R.T. -0.01 min
Lab File: VU032395.D
Acq: 03 Jun 2019 16:00

Tgt Ion: 96 Resp: 323889
Ion Ratio Lower Upper
96 100
61 159.4 109.1 202.7
98 63.8 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

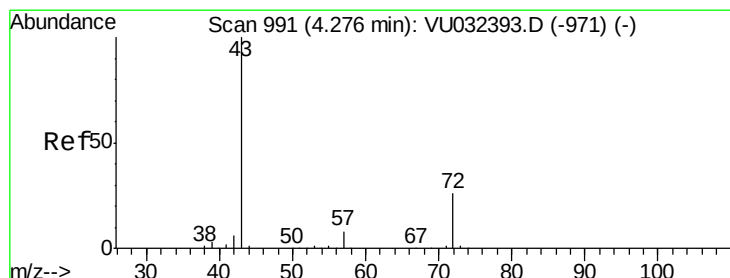
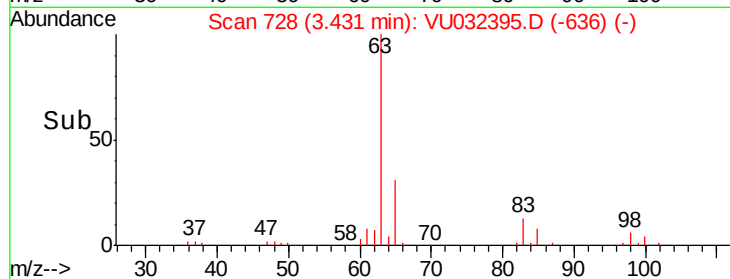
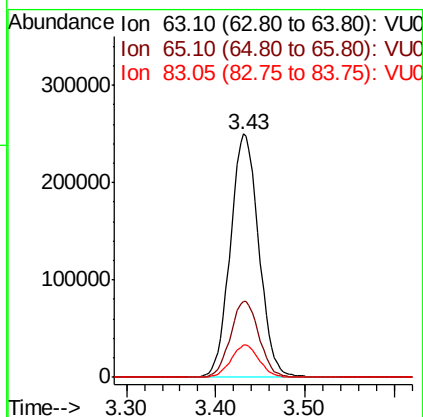
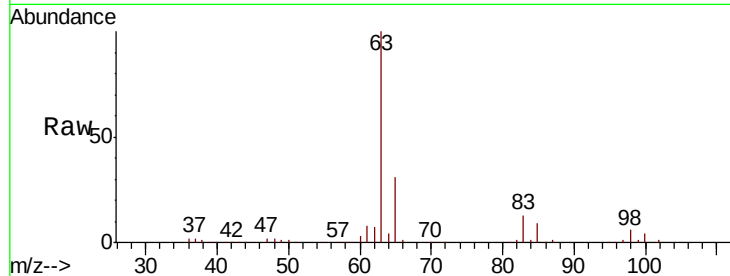




#19
 1,1-Dichloroethane
 Concen: 19.981 ug/L
 RT: 3.43 min Scan# 728
 Delta R.T. -0.00 min
 Lab File: VU032395.D
 Acq: 03 Jun 2019 16:00

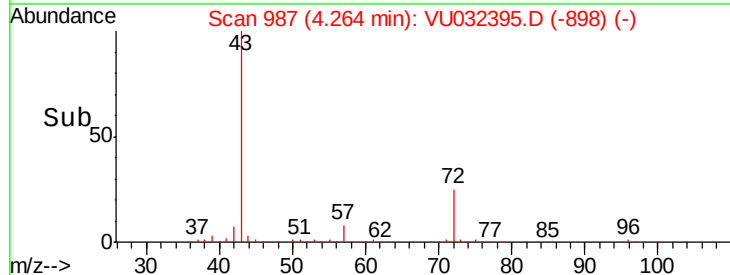
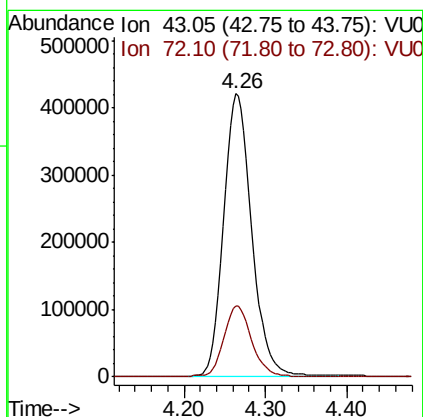
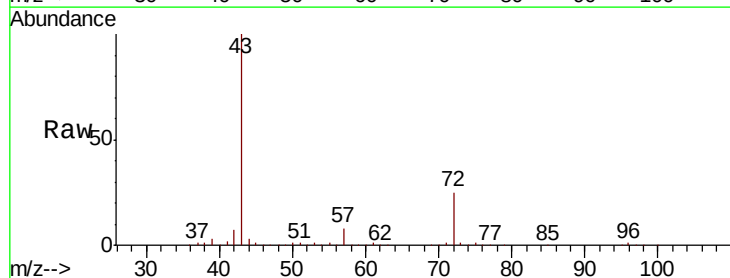
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD02012

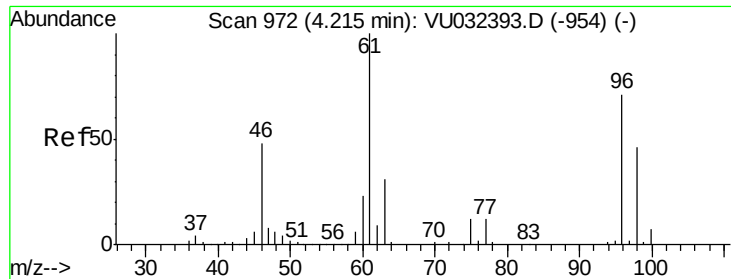
Tgt Ion: 63 Resp: 552270
 Ion Ratio Lower Upper
 63 100
 65 31.3 22.5 41.7
 83 13.2 9.0 16.8



#21
 2-Butanone
 Concen: 199.533 ug/L
 RT: 4.26 min Scan# 987
 Delta R.T. -0.01 min
 Lab File: VU032395.D
 Acq: 03 Jun 2019 16:00

Tgt Ion: 43 Resp: 1017624
 Ion Ratio Lower Upper
 43 100
 72 25.4 12.4 37.2





#22

cis-1,2-Dichloroethene

Concen: 19.926 ug/L

RT: 4.21 min Scan# 971

Delta R.T. -0.00 min

Lab File: VU032395.D

Acq: 03 Jun 2019 16:00

Instrument :

MSVOA_U

ClientSampleId :

VSTD02012

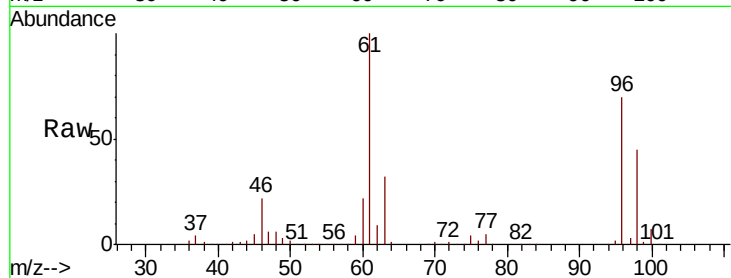
Tgt Ion: 96 Resp: 313793

Ion Ratio Lower Upper

96 100

61 143.7 99.0 183.8

68 0.0 0.0 0.0

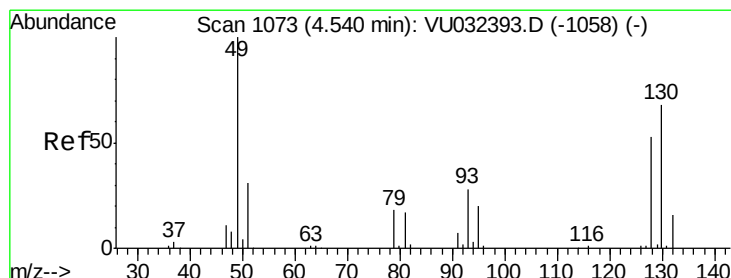
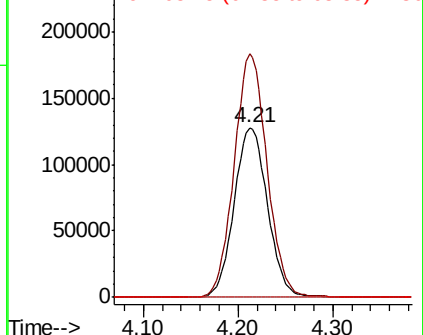
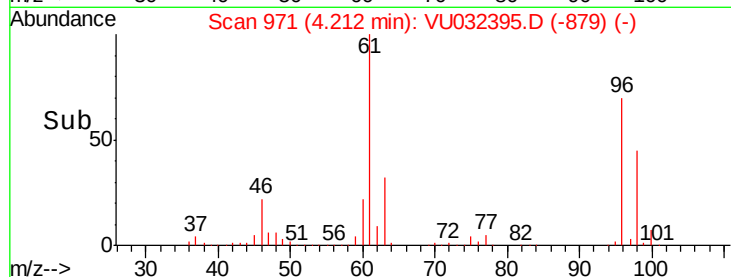


Abundance

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: 20.585 ug/L

RT: 4.54 min Scan# 1072

Delta R.T. -0.00 min

Lab File: VU032395.D

Acq: 03 Jun 2019 16:00

Tgt Ion: 128 Resp: 134022

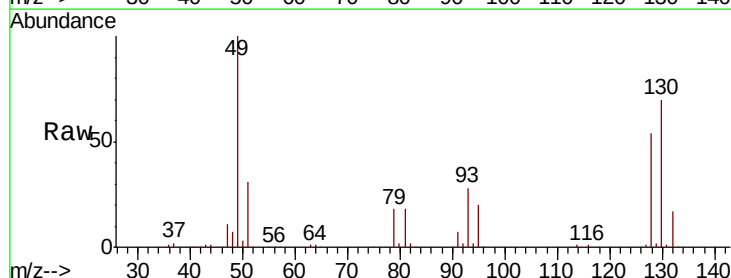
Ion Ratio Lower Upper

128 100

49 185.5 131.5 244.3

130 130.1 89.7 166.7

51 57.9 46.5 69.7



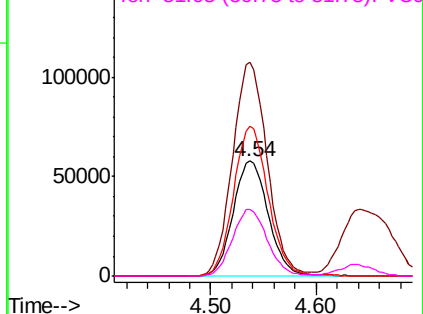
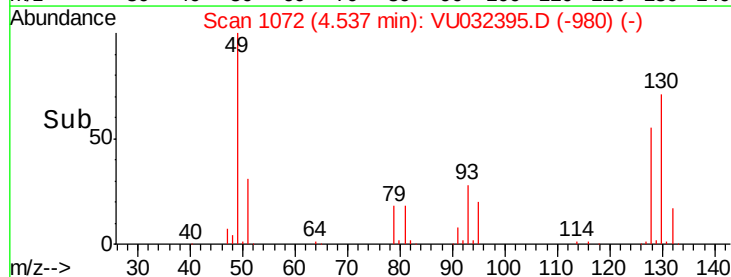
Abundance

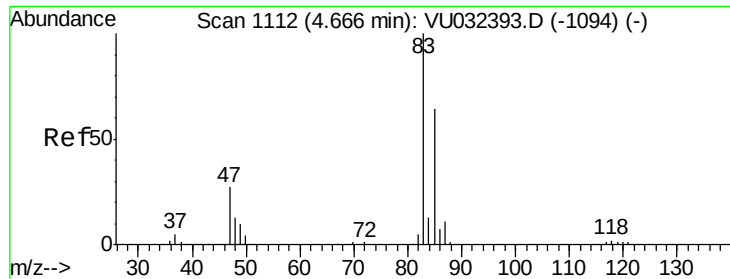
Ion 127.90 (127.60 to 128.60): V

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

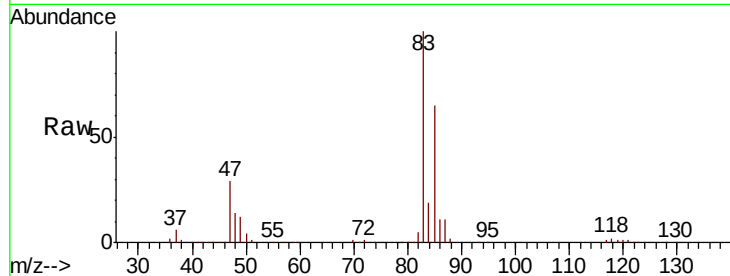




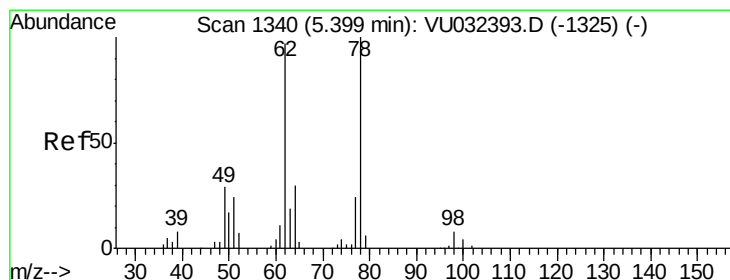
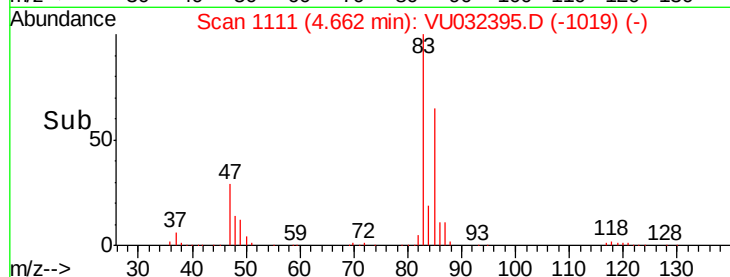
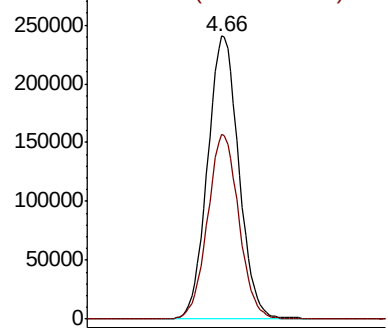
#25
Chloroform
Concen: 19.682 ug/L
RT: 4.66 min Scan# 1111
Delta R.T. -0.00 min
Lab File: VU032395.D
Acq: 03 Jun 2019 16:00

Instrument :
MSVOA_U
ClientSampleId :
VSTD02012

Tgt Ion: 83 Resp: 562080
Ion Ratio Lower Upper
83 100
85 65.2 45.3 84.1

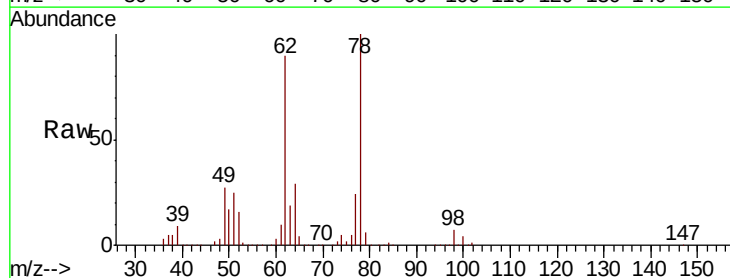


Abundance Ion 83.05 (82.75 to 83.75): VU0
Ion 85.00 (84.70 to 85.70): VU0

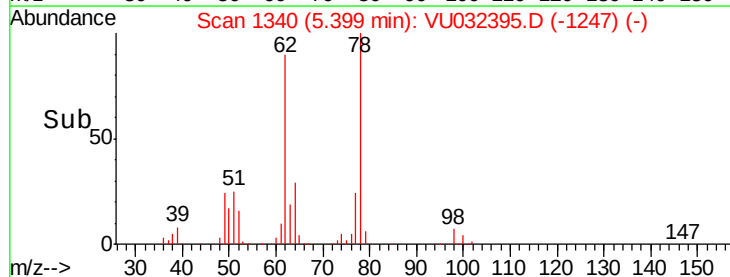
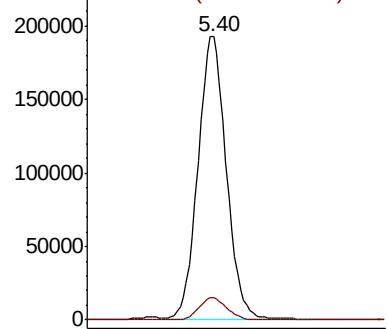


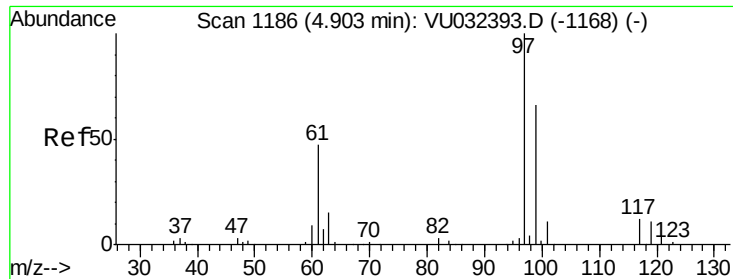
#27
1,2-Dichloroethane
Concen: 19.992 ug/L
RT: 5.40 min Scan# 1340
Delta R.T. 0.00 min
Lab File: VU032395.D
Acq: 03 Jun 2019 16:00

Tgt Ion: 62 Resp: 396834
Ion Ratio Lower Upper
62 100
98 7.9 6.2 9.4



Abundance Ion 62.00 (61.70 to 62.70): VU0
Ion 98.05 (97.75 to 98.75): VU0

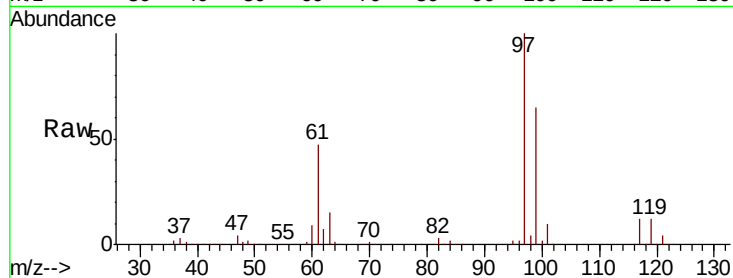




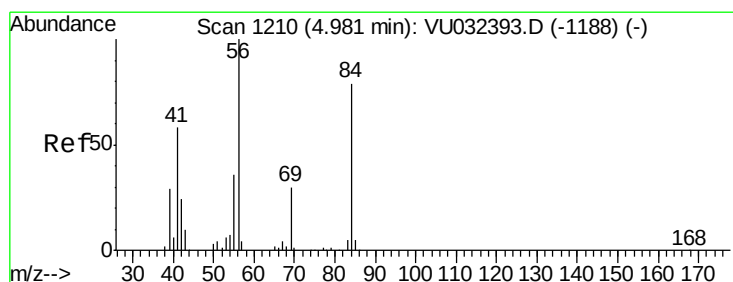
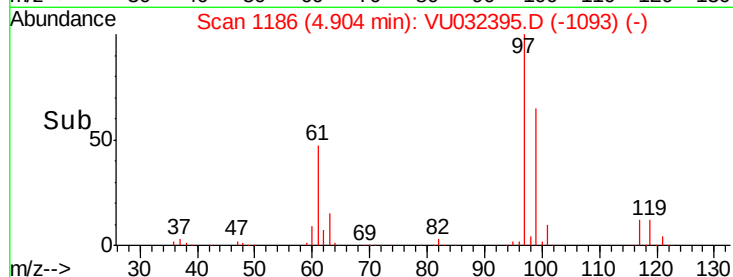
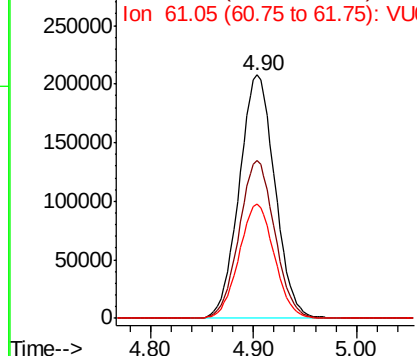
#29
 1,1,1-Trichloroethane
 Concen: 19.640 ug/L
 RT: 4.90 min Scan# 1186
 Delta R.T. 0.00 min
 Lab File: VU032395.D
 Acq: 03 Jun 2019 16:00

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD02012

Tgt Ion: 97 Resp: 499335
 Ion Ratio Lower Upper
 97 100
 99 64.7 51.6 77.4
 61 46.6 37.7 56.5

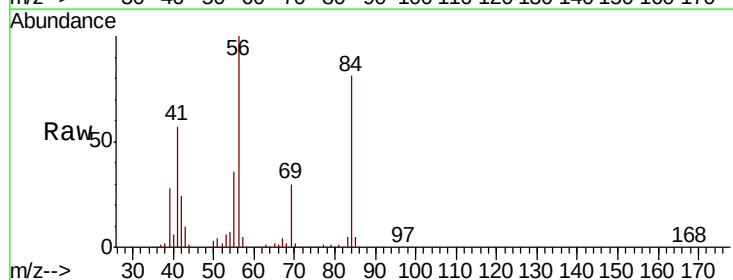


Abundance Ion 96.95 (96.65 to 97.65): VU0
 Ion 99.05 (98.75 to 99.75): VU0
 Ion 61.05 (60.75 to 61.75): VU0

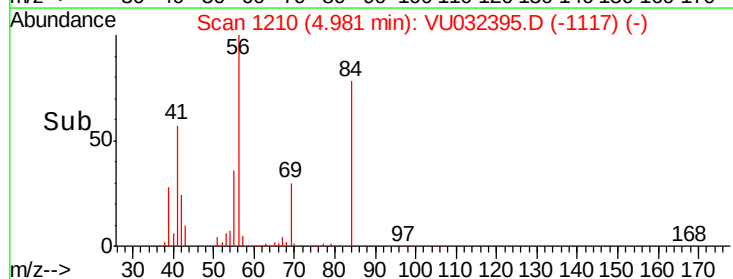
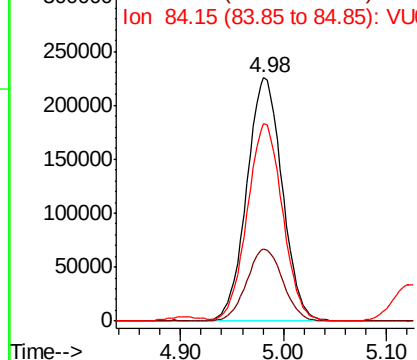


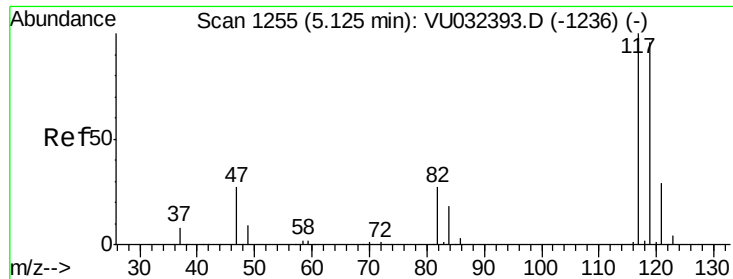
#30
 Cyclohexane
 Concen: 19.358 ug/L
 RT: 4.98 min Scan# 1210
 Delta R.T. 0.00 min
 Lab File: VU032395.D
 Acq: 03 Jun 2019 16:00

Tgt Ion: 56 Resp: 538587
 Ion Ratio Lower Upper
 56 100
 69 30.2 24.2 36.4
 84 80.9 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

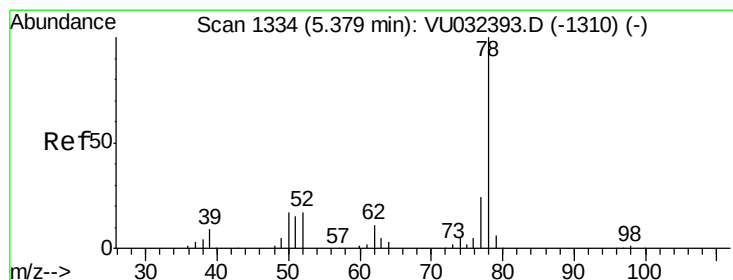
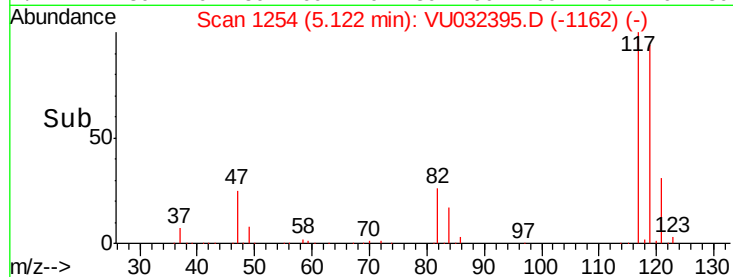
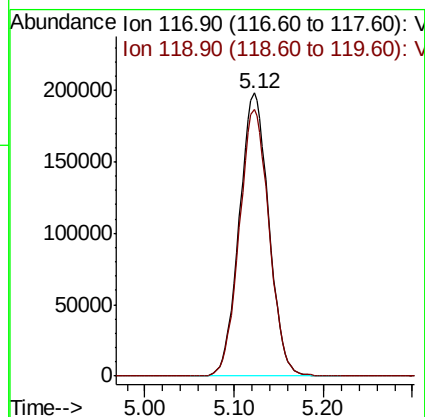
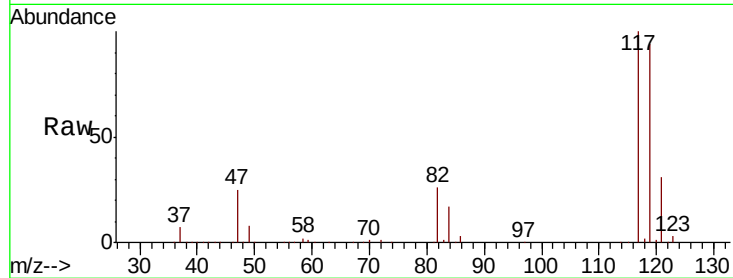




#31
Carbon tetrachloride
Concen: 20.149 ug/L
RT: 5.12 min Scan# 1254
Delta R.T. -0.00 min
Lab File: VU032395.D
Acq: 03 Jun 2019 16:00

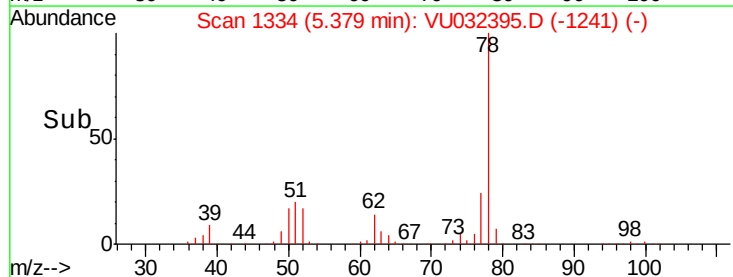
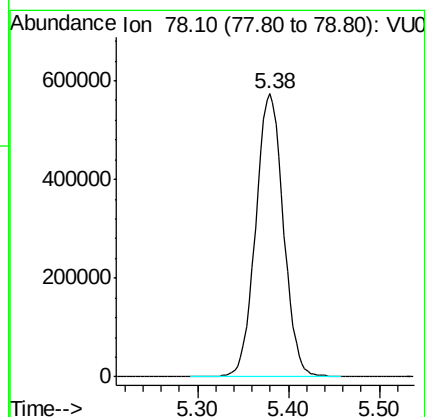
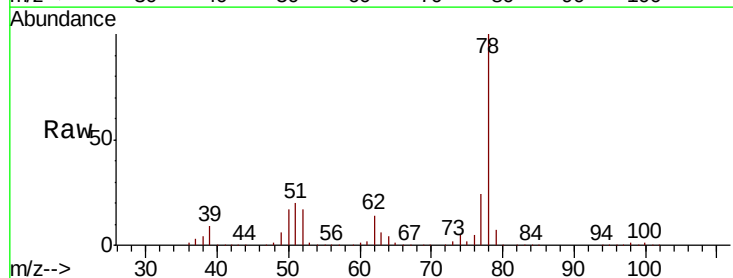
Instrument :
MSVOA_U
ClientSampleId :
VSTD02012

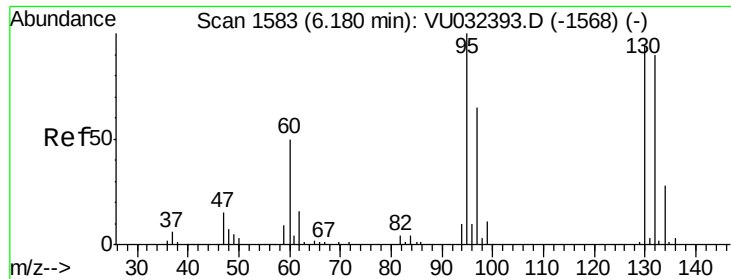
Tgt Ion:117 Resp: 453634
Ion Ratio Lower Upper
117 100
119 95.1 77.0 115.4



#33
Benzene
Concen: 19.681 ug/L
RT: 5.38 min Scan# 1334
Delta R.T. 0.00 min
Lab File: VU032395.D
Acq: 03 Jun 2019 16:00

Tgt Ion: 78 Resp: 1212501





#34

Trichloroethene

Concen: 19.841 ug/L

RT: 6.18 min Scan# 1582

Delta R.T. -0.00 min

Lab File: VU032395.D

Acq: 03 Jun 2019 16:00

Instrument :

MSVOA_U

ClientSampleId :

VSTD02012

Tgt Ion: 95 Resp: 330194

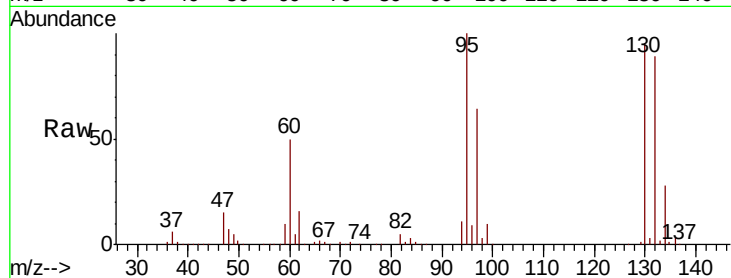
Ion Ratio Lower Upper

95 100

97 64.3 45.8 85.0

132 89.2 63.1 117.1

130 95.4 66.0 122.6

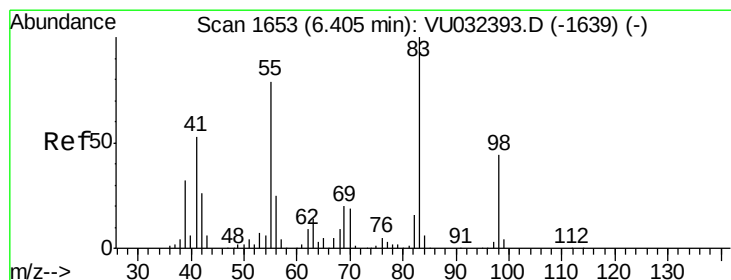
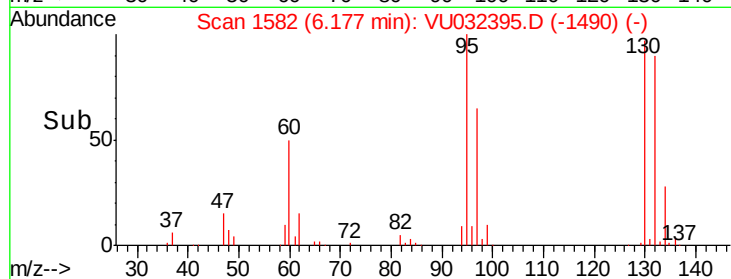
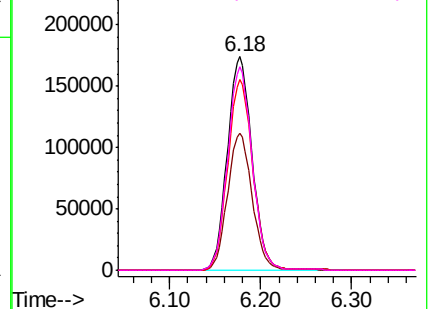


Abundance Ion 95.00 (94.70 to 95.70): VU0

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: 19.536 ug/L

RT: 6.41 min Scan# 1653

Delta R.T. 0.00 min

Lab File: VU032395.D

Acq: 03 Jun 2019 16:00

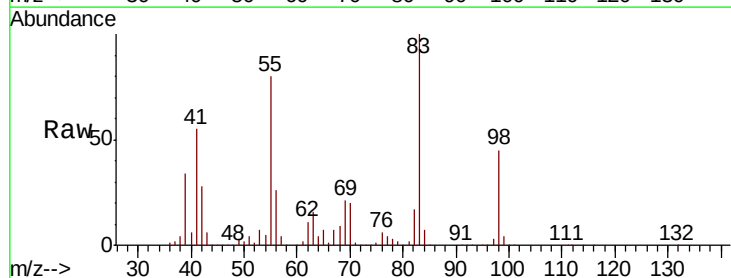
Tgt Ion: 83 Resp: 548561

Ion Ratio Lower Upper

83 100

55 79.9 64.7 97.1

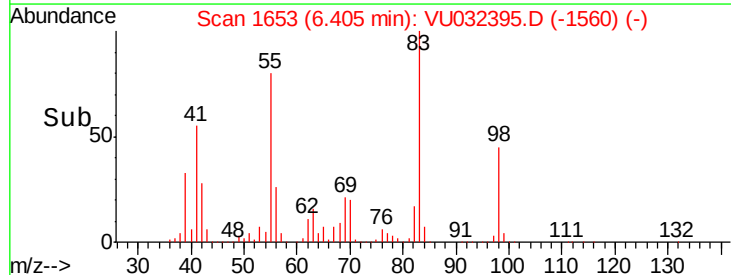
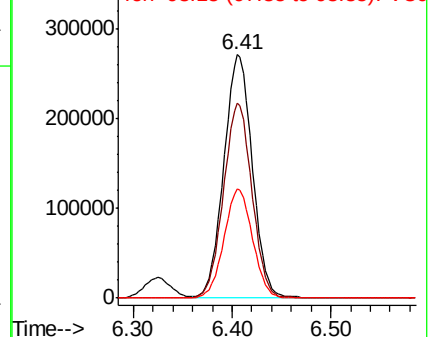
98 44.8 35.9 53.9

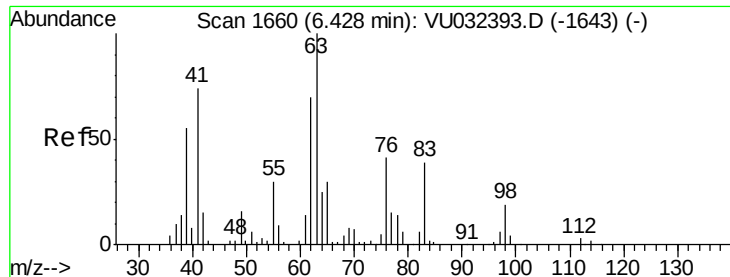


Abundance Ion 83.15 (82.85 to 83.85): VU0

Ion 55.10 (54.80 to 55.80): VU0

Ion 98.15 (97.85 to 98.85): VU0

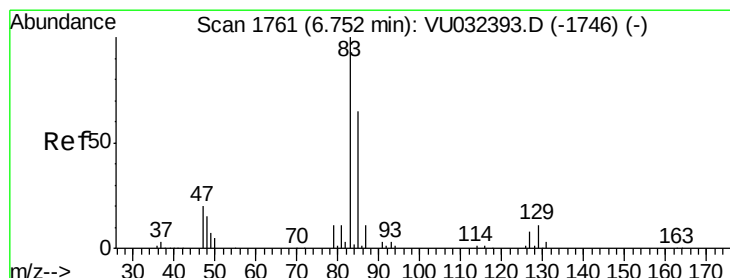
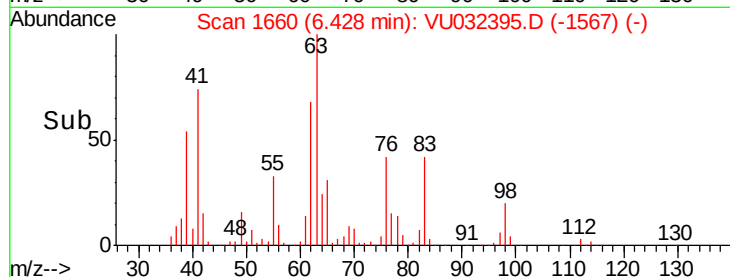
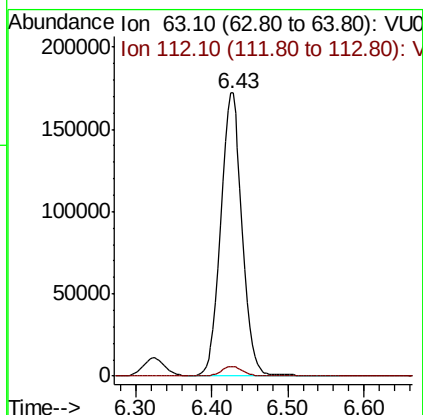
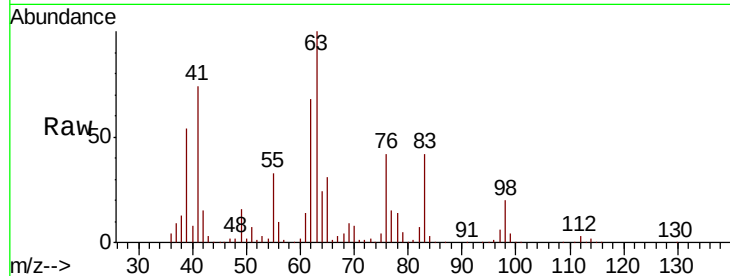




#37
 1,2-Dichloropropane
 Concen: 20.159 ug/L
 RT: 6.43 min Scan# 1660
 Delta R.T. 0.00 min
 Lab File: VU032395.D
 Acq: 03 Jun 2019 16:00

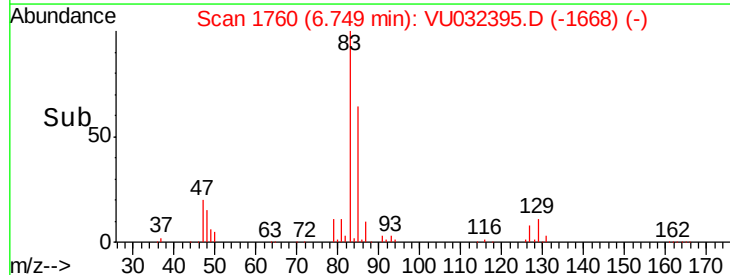
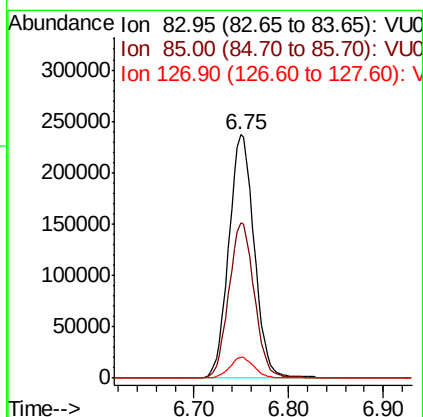
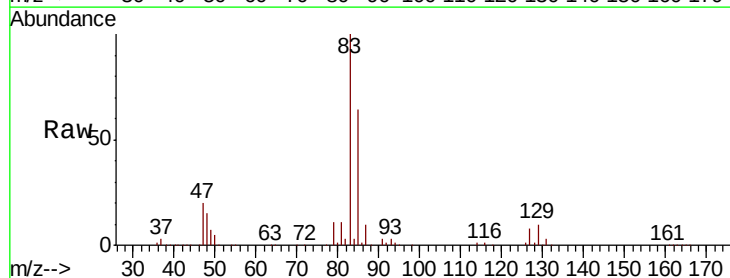
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD02012

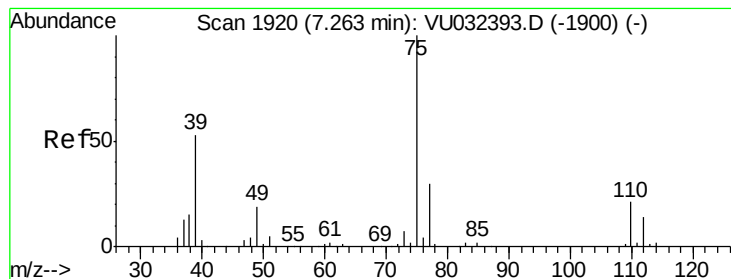
Tgt Ion: 63 Resp: 335482
 Ion Ratio Lower Upper
 63 100
 112 3.4 2.6 4.0



#38
 Bromodichloromethane
 Concen: 20.020 ug/L
 RT: 6.75 min Scan# 1760
 Delta R.T. -0.00 min
 Lab File: VU032395.D
 Acq: 03 Jun 2019 16:00

Tgt Ion: 83 Resp: 441606
 Ion Ratio Lower Upper
 83 100
 85 63.8 45.4 84.4
 127 8.4 6.5 9.7



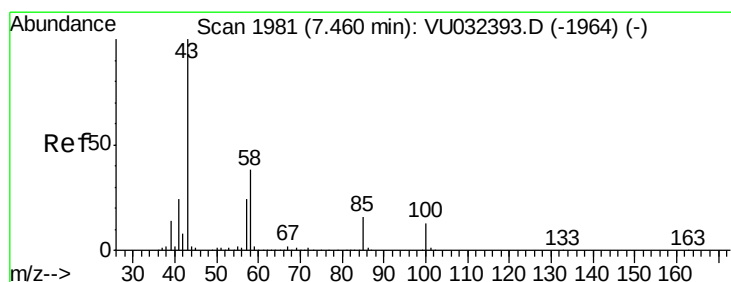
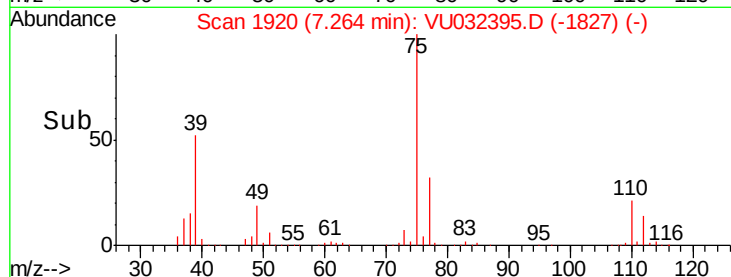
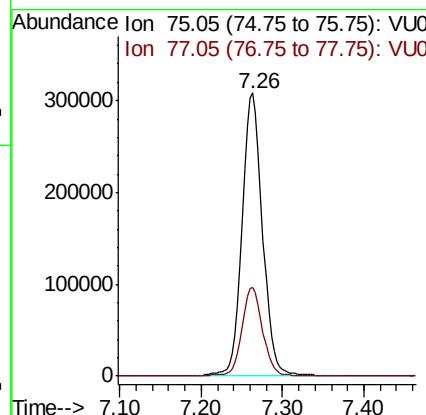
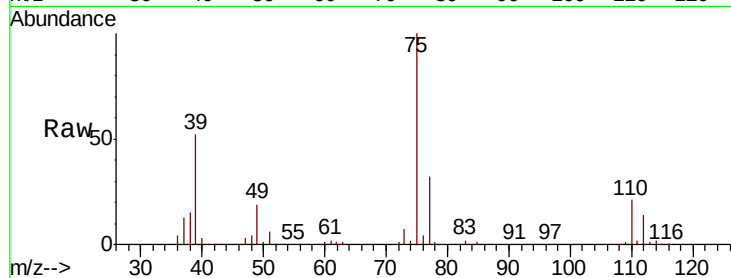


#39

cis-1,3-Dichloropropene
 Concen: 19.735 ug/L
 RT: 7.26 min Scan# 1920
 Delta R.T. 0.00 min
 Lab File: VU032395.D
 Acq: 03 Jun 2019 16:00

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD02012

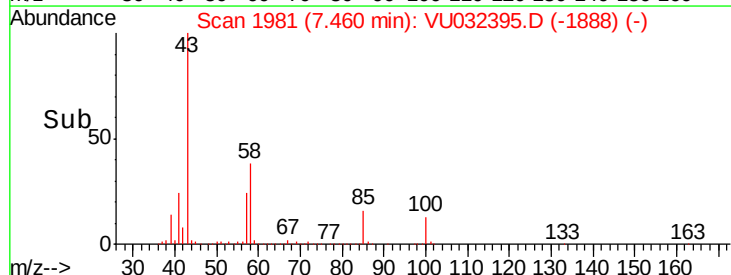
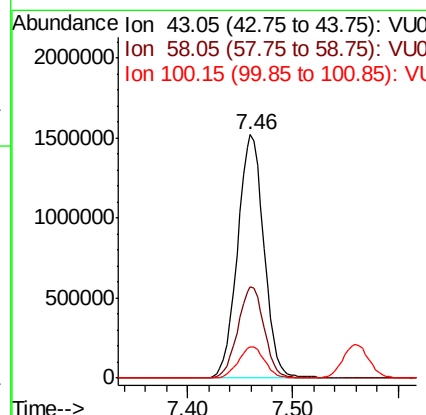
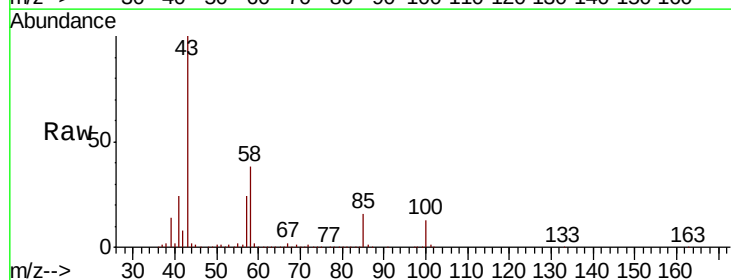
Tgt Ion: 75 Resp: 539462
 Ion Ratio Lower Upper
 75 100
 77 31.5 21.1 39.1

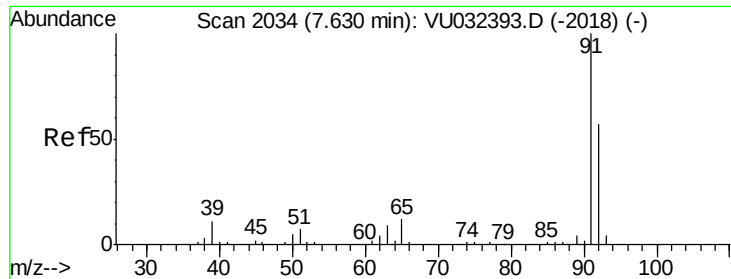


#40

4-Methyl-2-pentanone
 Concen: 207.686 ug/L
 RT: 7.46 min Scan# 1981
 Delta R.T. 0.00 min
 Lab File: VU032395.D
 Acq: 03 Jun 2019 16:00

Tgt Ion: 43 Resp: 2624873
 Ion Ratio Lower Upper
 43 100
 58 37.6 30.3 45.5
 100 13.0 10.3 15.5





#42

Toluene

Concen: 19.830 ug/L

RT: 7.63 min Scan# 2034

Delta R.T. 0.00 min

Lab File: VU032395.D

Acq: 03 Jun 2019 16:00

Instrument :

MSVOA_U

ClientSampleId :

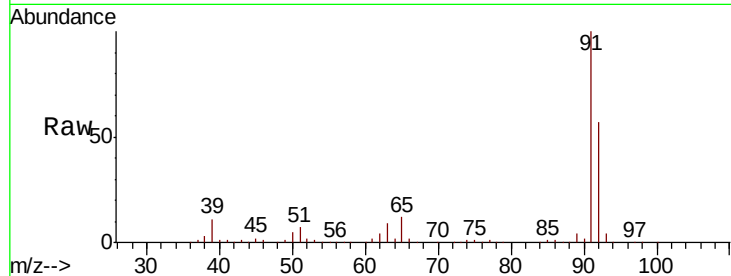
VSTD02012

Tgt Ion: 91 Resp: 1336013

Ion Ratio Lower Upper

91 100

92 56.7 40.0 74.2



Abundance Ion 91.15 (90.85 to 91.85): VU032395.D (-2018) (-)

Ion 92.15 (91.85 to 92.85): VU032395.D (-2018) (-)

7.63

800000

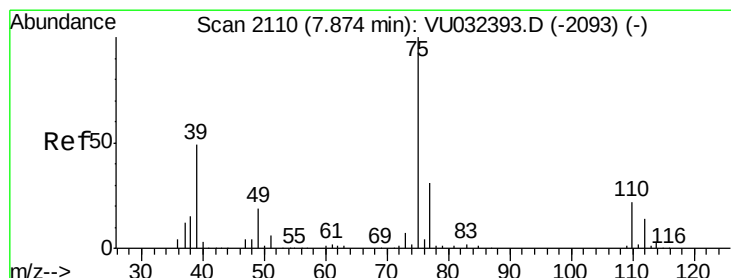
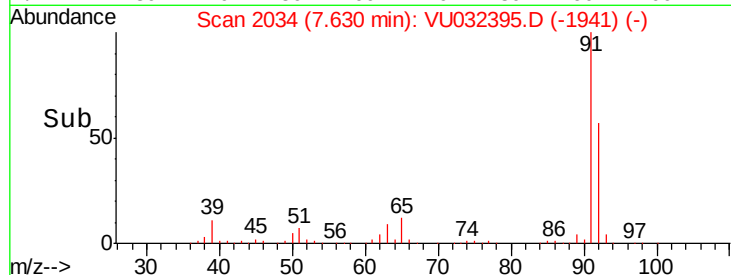
600000

400000

200000

0

Time-->



#44

trans-1,3-Dichloropropene

Concen: 20.155 ug/L

RT: 7.87 min Scan# 2110

Delta R.T. 0.00 min

Lab File: VU032395.D

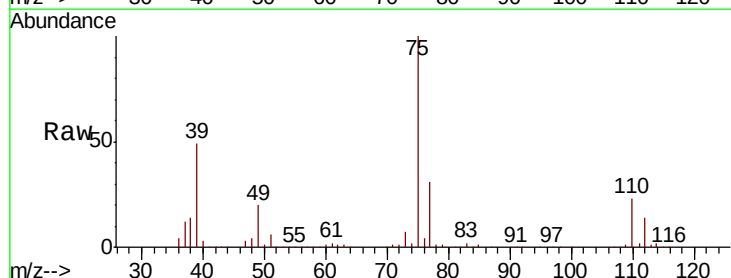
Acq: 03 Jun 2019 16:00

Tgt Ion: 75 Resp: 446291

Ion Ratio Lower Upper

75 100

77 31.1 22.0 40.8



Abundance Ion 75.05 (74.75 to 75.75): VU032395.D (-2093) (-)

Ion 77.05 (76.75 to 77.75): VU032395.D (-2093) (-)

7.87

300000

250000

200000

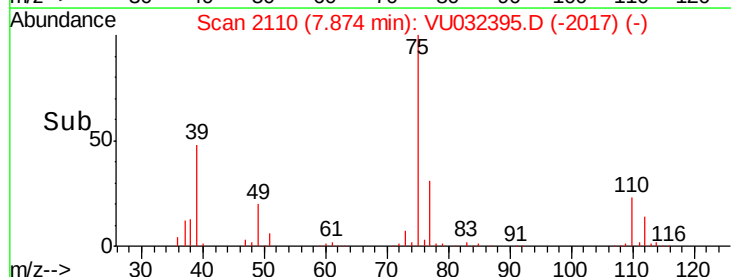
150000

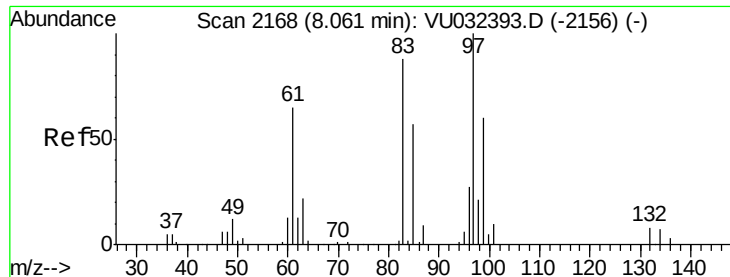
100000

50000

0

Time-->

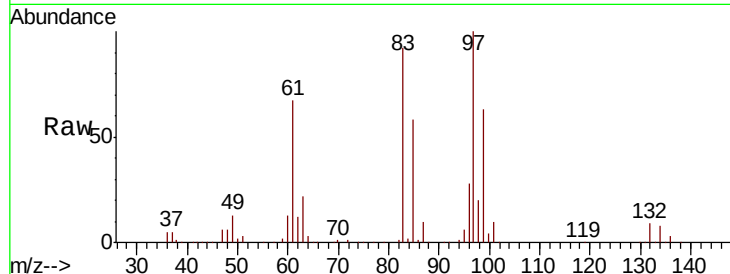




#45
1,1,2-Trichloroethane
Concen: 19.494 ug/L
RT: 8.06 min Scan# 2168
Delta R.T. 0.00 min
Lab File: VU032395.D
Acq: 03 Jun 2019 16:00

Instrument :
MSVOA_U
ClientSampleId :
VSTD02012

Tgt Ion:	97	Resp:	229145
Ion	Ratio	Lower	Upper
97	100		
99	63.0	42.2	78.4
83	91.9	61.9	114.9
85	58.3	39.7	73.7



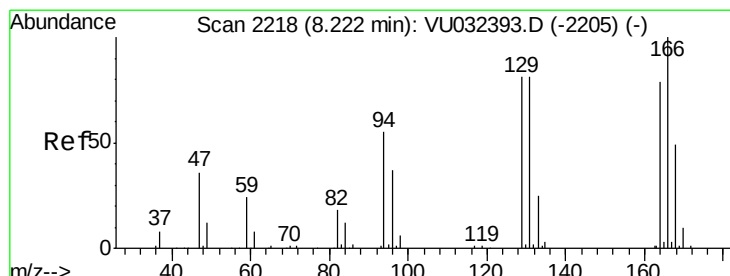
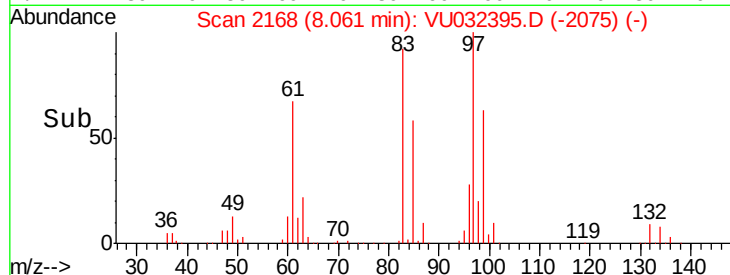
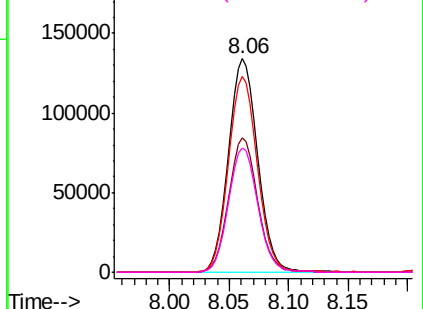
Abundance

Ion 96.95 (96.65 to 97.65): VU0

Ion 99.05 (98.75 to 99.75): VU0

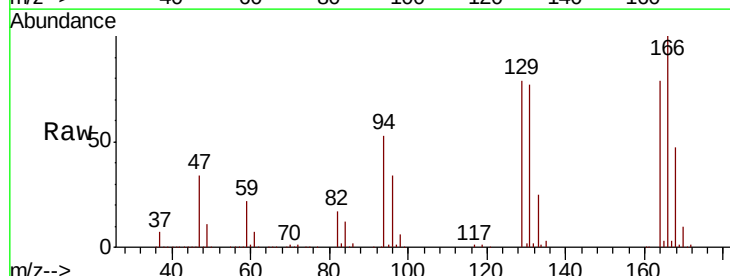
Ion 82.95 (82.65 to 83.65): VU0

Ion 85.00 (84.70 to 85.70): VU0



#47
Tetrachloroethene
Concen: 20.326 ug/L
RT: 8.22 min Scan# 2218
Delta R.T. 0.00 min
Lab File: VU032395.D
Acq: 03 Jun 2019 16:00

Tgt Ion:	164	Resp:	235896
Ion	Ratio	Lower	Upper
164	100		
129	100.1	72.1	133.9
131	96.8	71.9	133.5
166	126.0	89.0	165.4



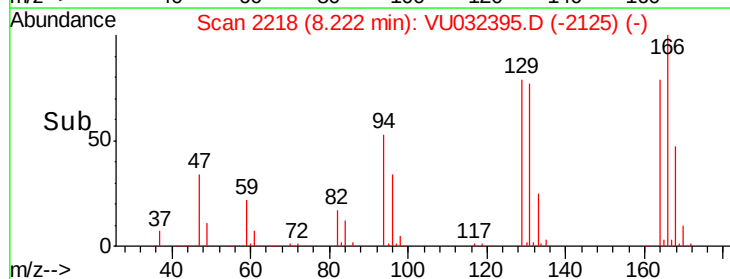
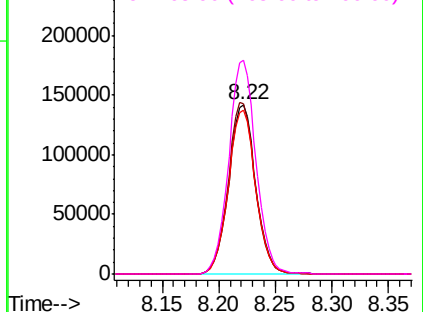
Abundance

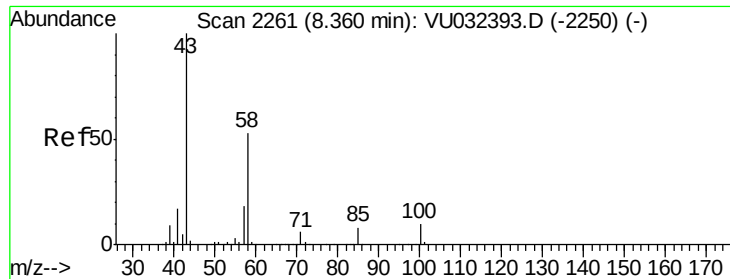
Ion 163.90 (163.60 to 164.60): V

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

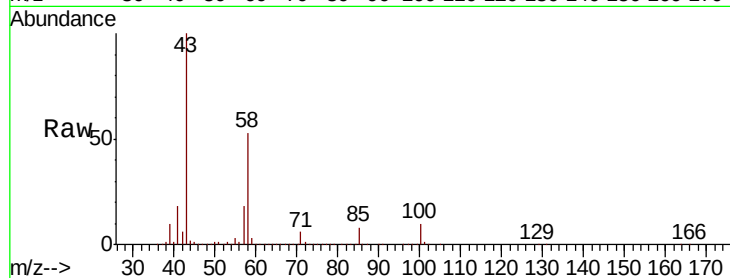




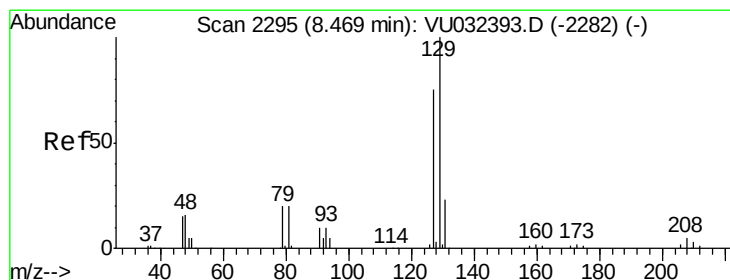
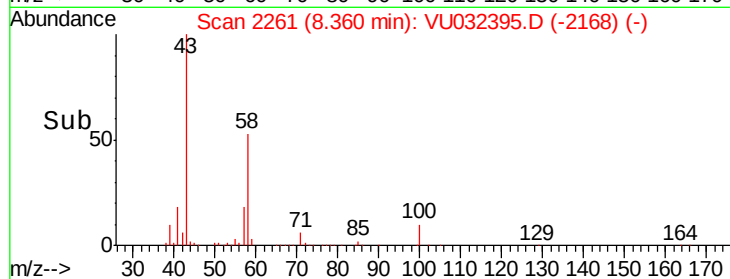
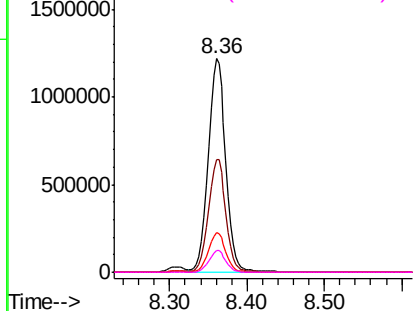
#48
2-Hexanone
Concen: 209.750 ug/L
RT: 8.36 min Scan# 2261
Delta R.T. 0.00 min
Lab File: VU032395.D
Acq: 03 Jun 2019 16:00

Instrument :
MSVOA_U
ClientSampleId :
VSTD02012

Tgt Ion: 43 Resp: 1938766
Ion Ratio Lower Upper
43 100
58 52.4 41.3 61.9
57 18.4 14.5 21.7
100 10.1 8.2 12.2

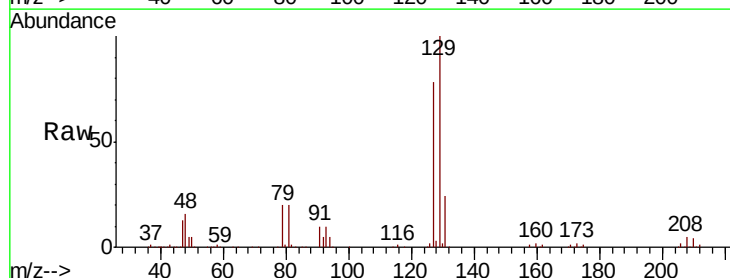


Abundance Ion 43.05 (42.75 to 43.75): VU0
Ion 58.05 (57.75 to 58.75): VU0
Ion 57.20 (56.90 to 57.90): VU0
Ion 100.15 (99.85 to 100.85): VU0

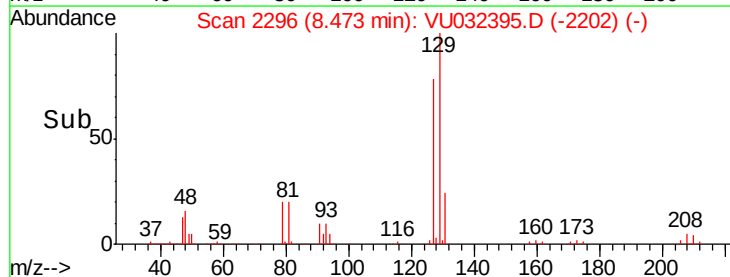
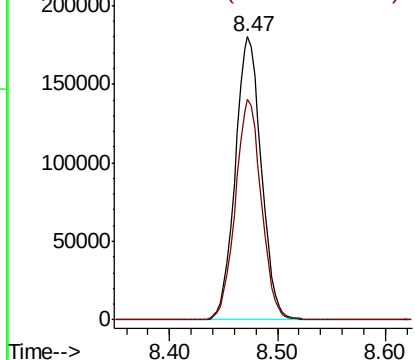


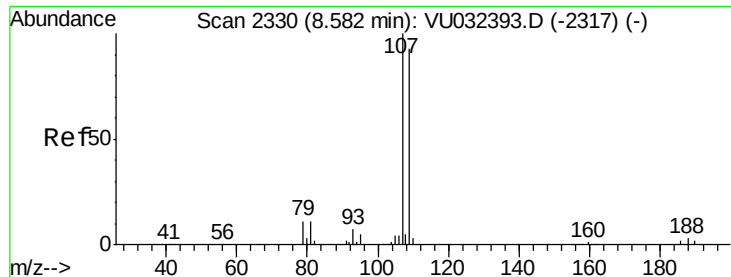
#49
Dibromochloromethane
Concen: 20.662 ug/L
RT: 8.47 min Scan# 2296
Delta R.T. 0.00 min
Lab File: VU032395.D
Acq: 03 Jun 2019 16:00

Tgt Ion: 129 Resp: 304890
Ion Ratio Lower Upper
129 100
127 77.8 52.6 97.8



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

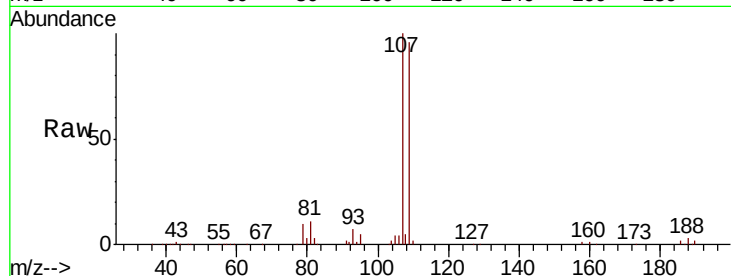




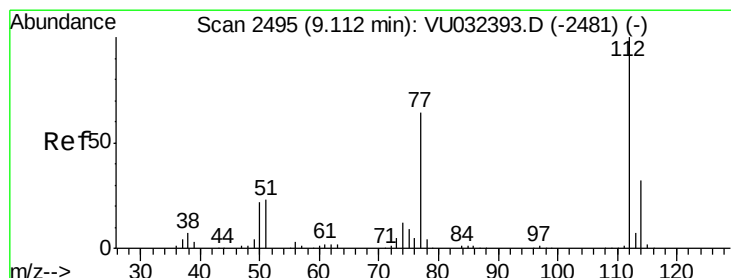
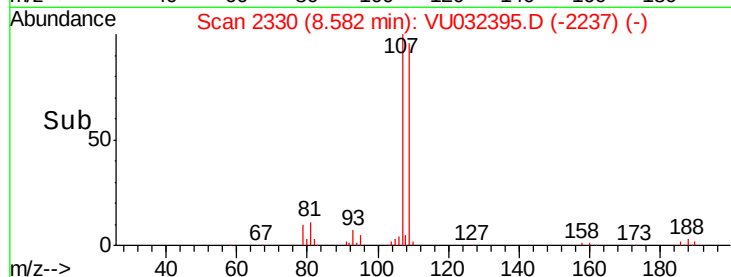
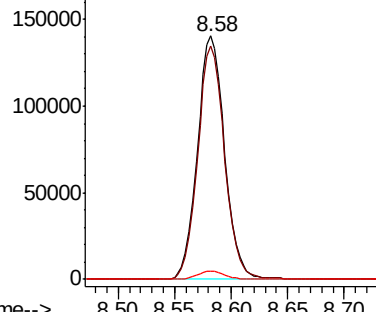
#50
1,2-Dibromoethane
Concen: 20.189 ug/L
RT: 8.58 min Scan# 2330
Delta R.T. 0.00 min
Lab File: VU032395.D
Acq: 03 Jun 2019 16:00

Instrument :
MSVOA_U
ClientSampleId :
VSTD02012

Tgt Ion:107 Resp: 234333
Ion Ratio Lower Upper
107 100
109 95.7 65.3 121.3
188 3.3 2.6 3.8

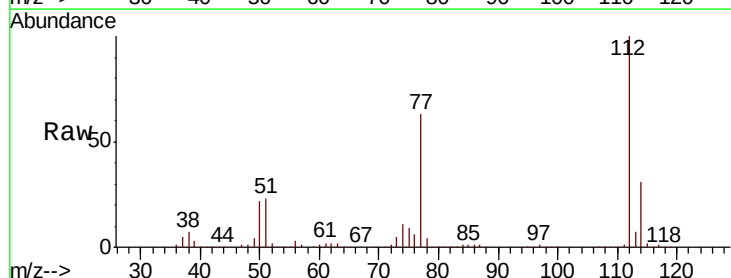


Abundance Ion 106.95 (106.65 to 107.65): V
Ion 109.00 (108.70 to 109.70): V
Ion 187.90 (187.60 to 188.60): V

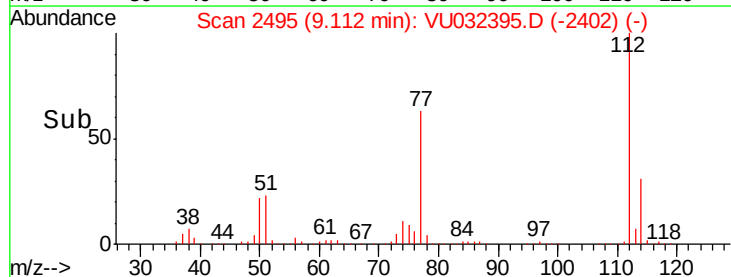
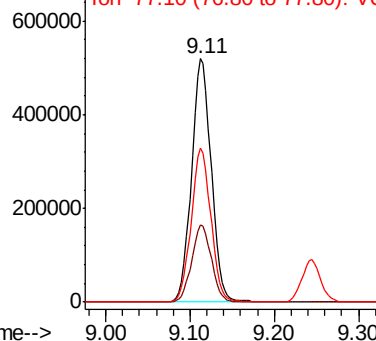


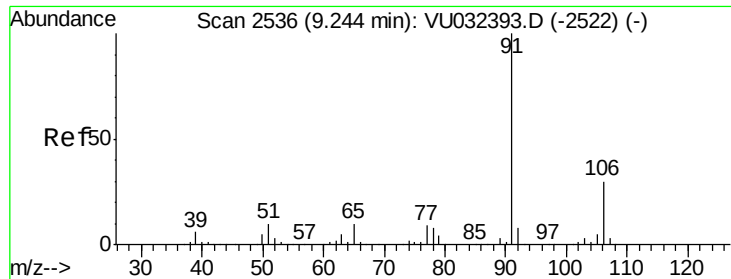
#51
Chlorobenzene
Concen: 20.458 ug/L
RT: 9.11 min Scan# 2495
Delta R.T. 0.00 min
Lab File: VU032395.D
Acq: 03 Jun 2019 16:00

Tgt Ion:112 Resp: 845790
Ion Ratio Lower Upper
112 100
114 31.5 22.1 41.1
77 63.5 51.0 76.6



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





#52

Ethylbenzene

Concen: 20.249 ug/L

RT: 9.24 min Scan# 2536

Delta R.T. 0.00 min

Lab File: VU032395.D

Acq: 03 Jun 2019 16:00

Instrument :

MSVOA_U

ClientSampleId :

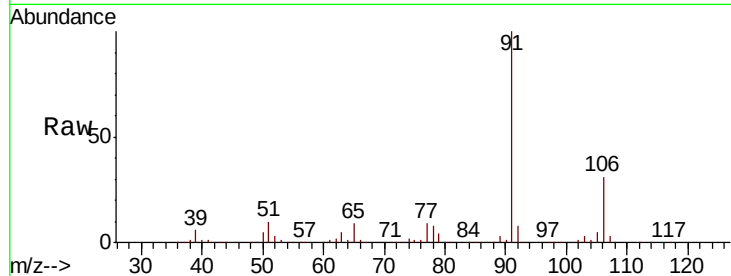
VSTD02012

Tgt Ion: 91 Resp: 1549547

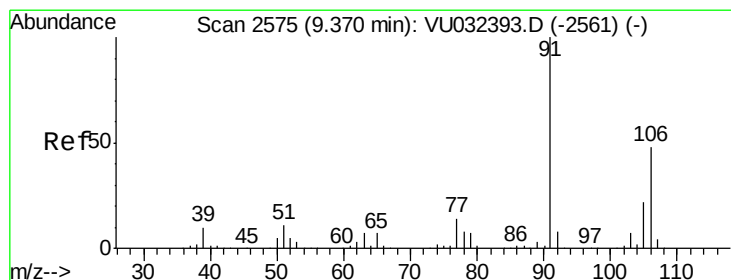
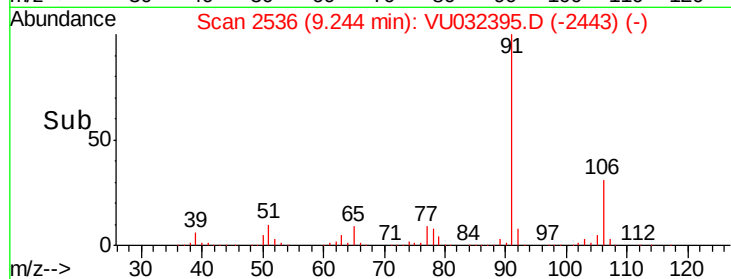
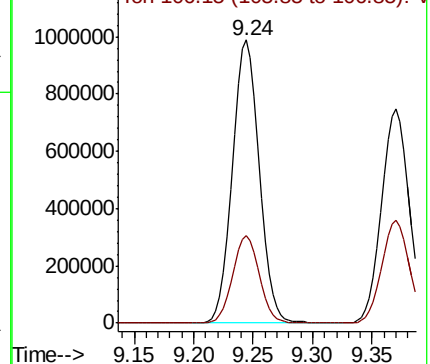
Ion Ratio Lower Upper

91 100

106 30.9 21.1 39.3



Abundance Ion 91.15 (90.85 to 91.85): VU032395.D (-2522) (-)



#53

m,p-Xylene

Concen: 20.365 ug/L

RT: 9.37 min Scan# 2575

Delta R.T. 0.00 min

Lab File: VU032395.D

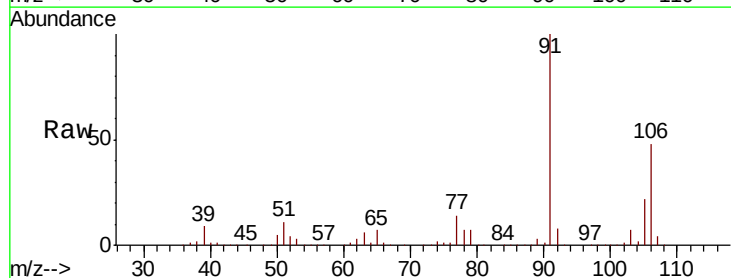
Acq: 03 Jun 2019 16:00

Tgt Ion: 106 Resp: 578047

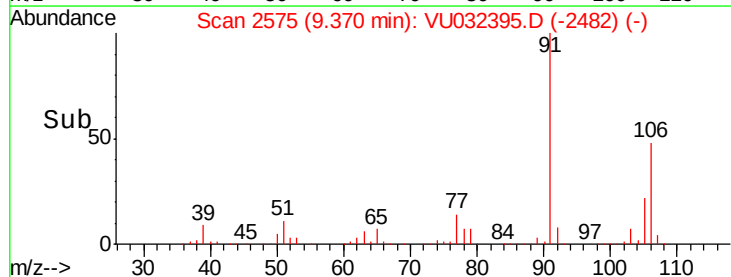
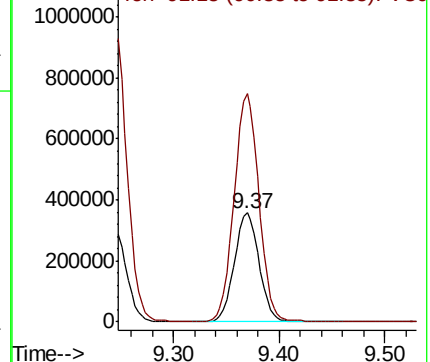
Ion Ratio Lower Upper

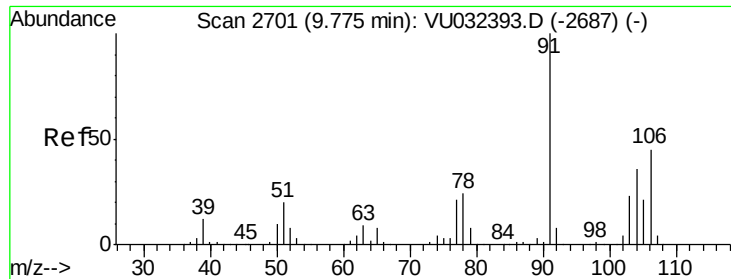
106 100

91 208.8 144.8 269.0



Abundance Ion 106.15 (105.85 to 106.85): VU032395.D (-2575) (-)





#54

o-Xylene

Concen: 20.385 ug/L

RT: 9.77 min Scan# 2701

Delta R.T. 0.00 min

Lab File: VU032395.D

Acq: 03 Jun 2019 16:00

Instrument :

MSVOA_U

ClientSampleId :

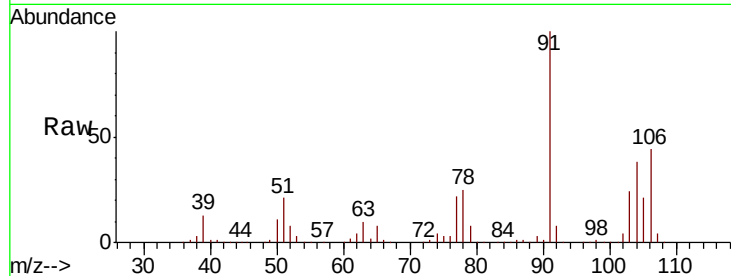
VSTD02012

Tgt Ion:106 Resp: 571858

Ion Ratio Lower Upper

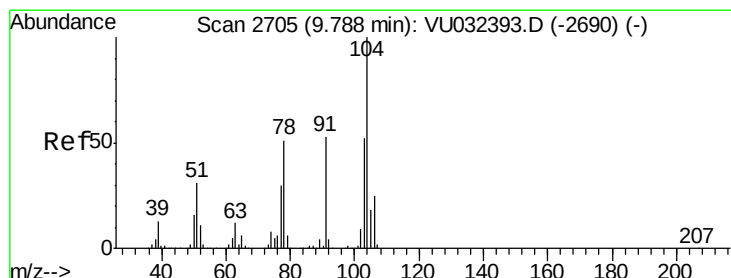
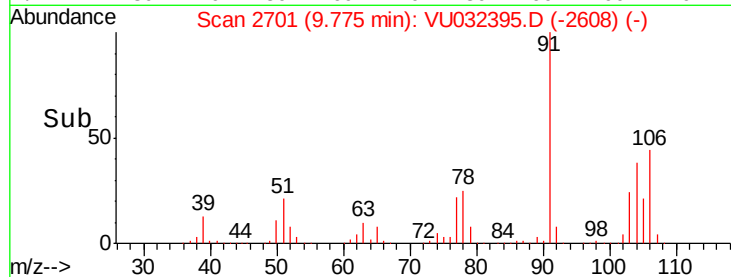
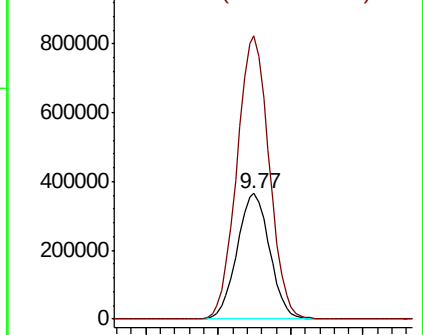
106 100

91 225.0 156.9 291.3



Abundance Ion 106.15 (105.85 to 106.85): V

Ion 91.15 (90.85 to 91.85): VU0



#55

Styrene

Concen: 21.168 ug/L

RT: 9.79 min Scan# 2705

Delta R.T. 0.00 min

Lab File: VU032395.D

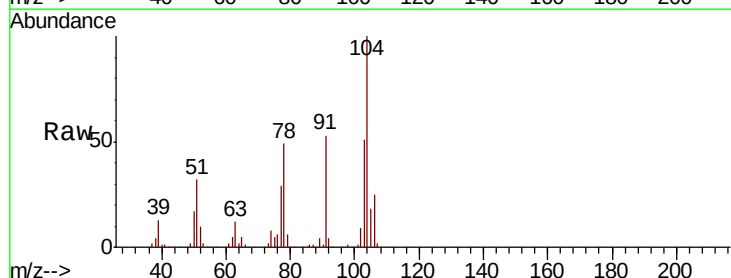
Acq: 03 Jun 2019 16:00

Tgt Ion:104 Resp: 998142

Ion Ratio Lower Upper

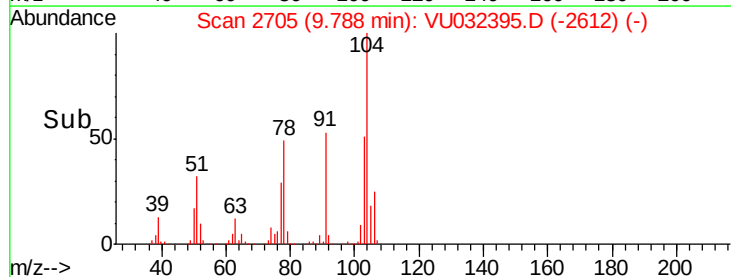
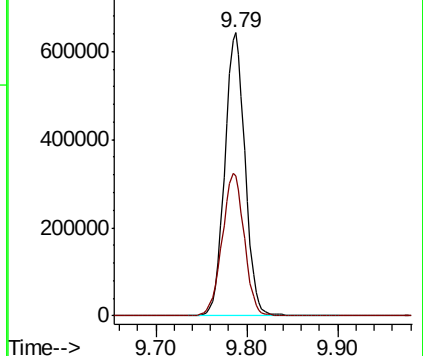
104 100

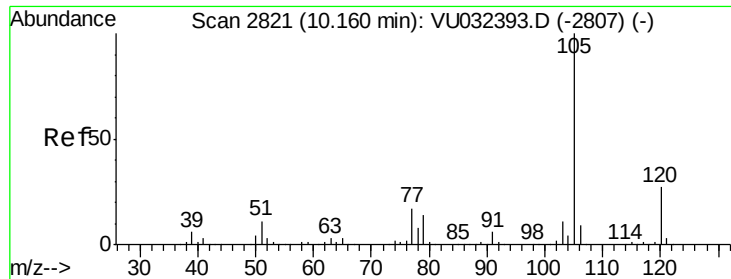
78 49.4 35.5 65.9



Abundance Ion 104.10 (103.80 to 104.80): V

Ion 78.10 (77.80 to 78.80): VU0





#56

Isopropylbenzene

Concen: 20.773 ug/L

RT: 10.16 min Scan# 2821

Delta R.T. 0.00 min

Lab File: VU032395.D

Acq: 03 Jun 2019 16:00

Instrument :

MSVOA_U

ClientSampleId :

VSTD02012

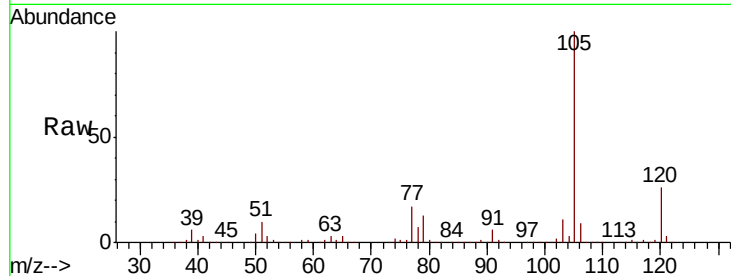
Tgt Ion:105 Resp: 1535348

Ion Ratio Lower Upper

105 100

120 26.2 20.9 31.3

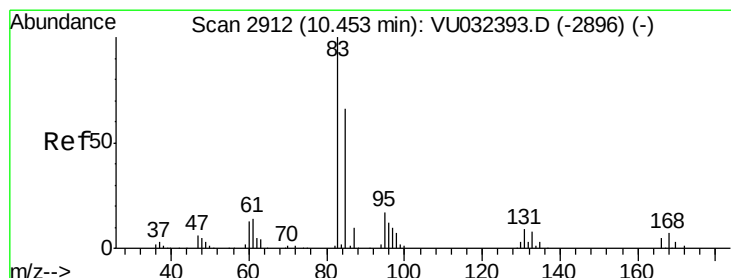
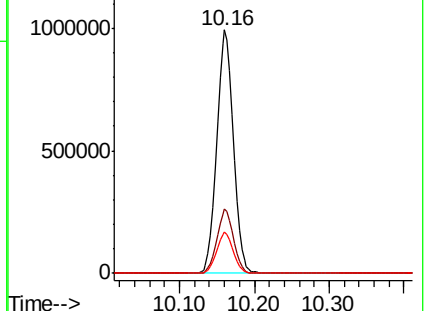
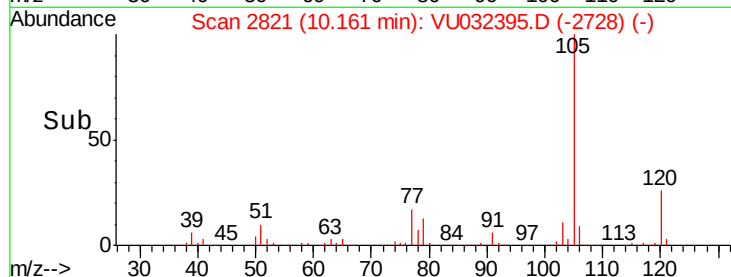
77 16.9 13.4 20.2



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: 21.542 ug/L

RT: 10.45 min Scan# 2912

Delta R.T. 0.00 min

Lab File: VU032395.D

Acq: 03 Jun 2019 16:00

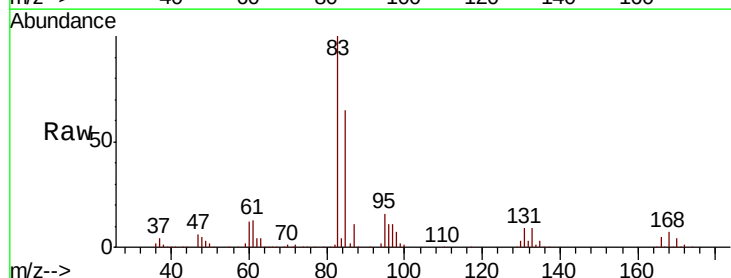
Tgt Ion: 83 Resp: 333781

Ion Ratio Lower Upper

83 100

85 64.6 46.5 86.5

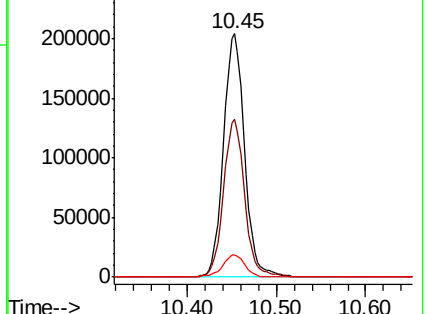
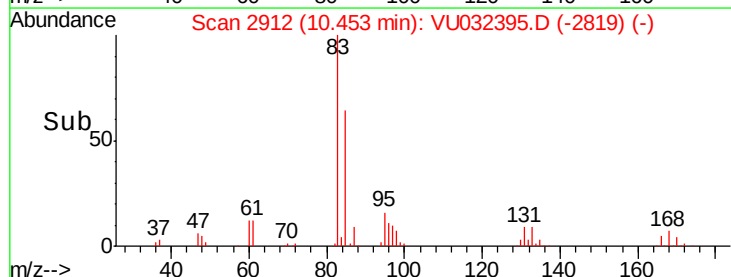
131 9.3 7.4 11.2

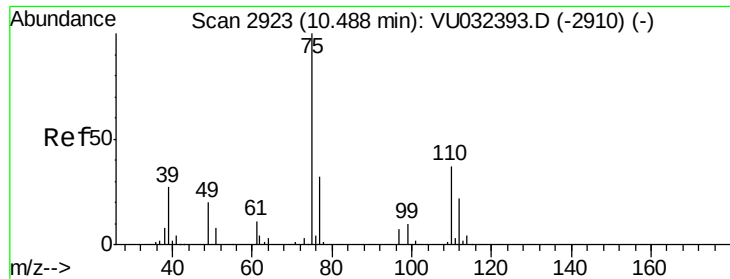


Abundance Ion 82.95 (82.65 to 83.65): VU0

Ion 85.00 (84.70 to 85.70): VU0

Ion 130.95 (130.65 to 131.65): V

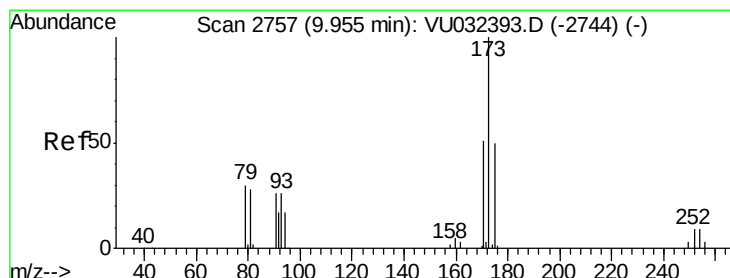
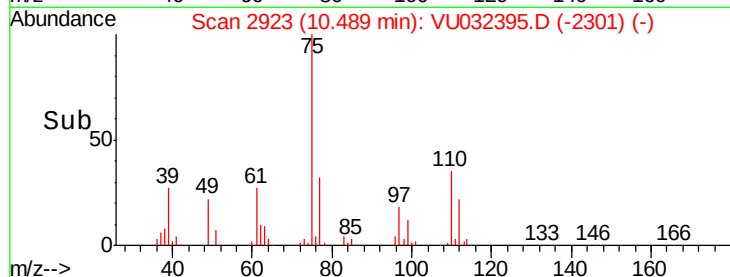
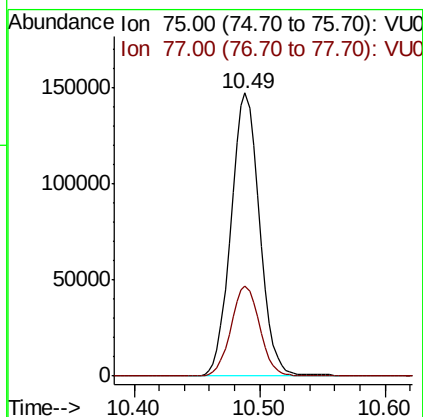
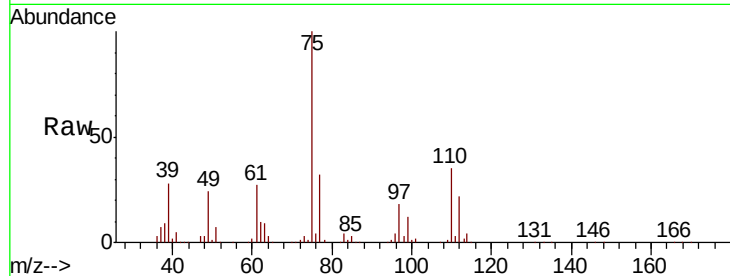




#59
 1,2,3-Trichloropropane
 Concen: 21.244 ug/L
 RT: 10.49 min Scan# 2923
 Delta R.T. 0.00 min
 Lab File: VU032395.D
 Acq: 03 Jun 2019 16:00

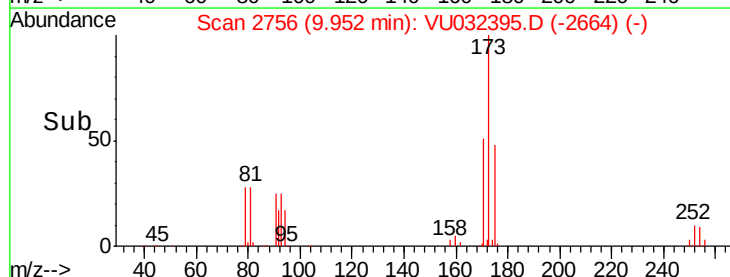
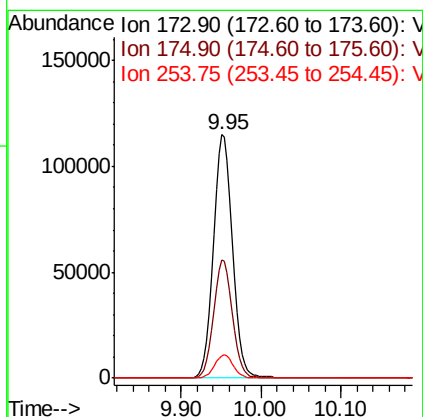
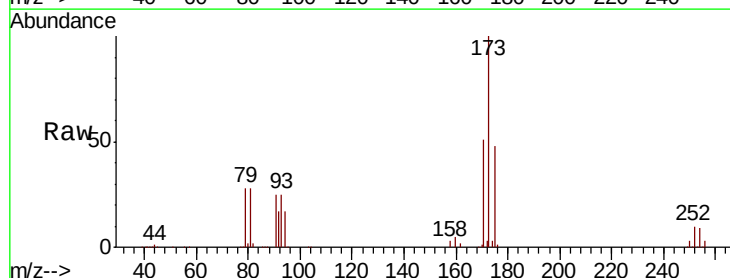
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD02012

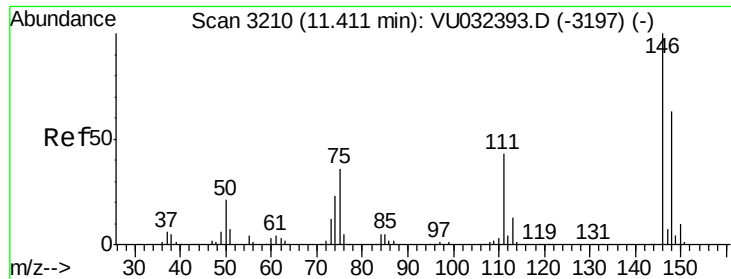
Tgt Ion: 75 Resp: 233464
 Ion Ratio Lower Upper
 75 100
 77 32.1 26.1 39.1



#61
 Bromoform
 Concen: 20.581 ug/L
 RT: 9.95 min Scan# 2756
 Delta R.T. -0.00 min
 Lab File: VU032395.D
 Acq: 03 Jun 2019 16:00

Tgt Ion: 173 Resp: 191798
 Ion Ratio Lower Upper
 173 100
 175 47.7 38.6 58.0
 254 9.3 7.4 11.0

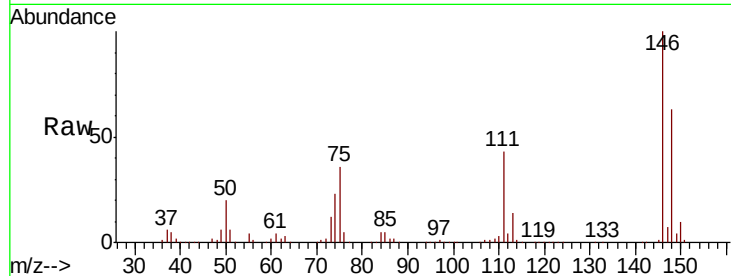




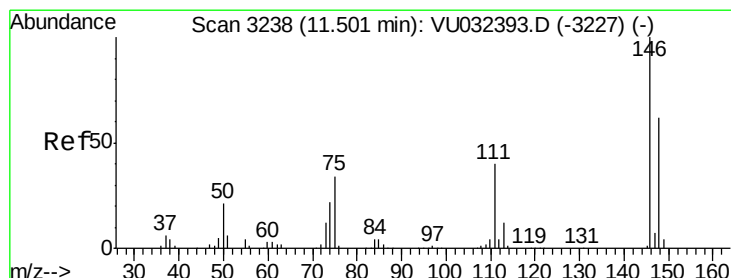
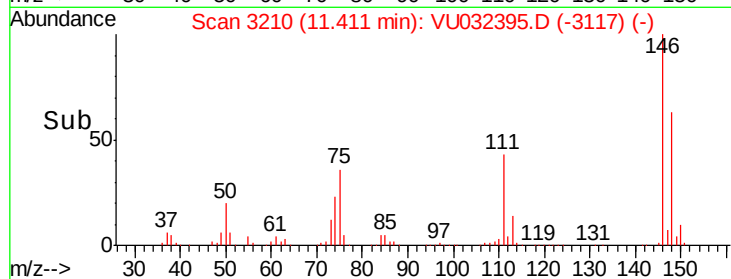
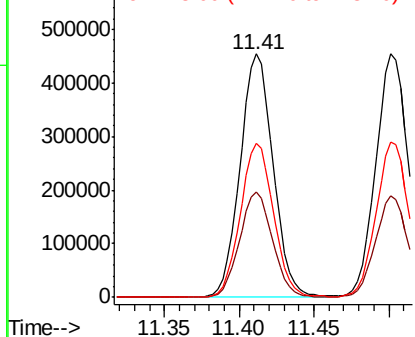
#62
 1,3-Dichlorobenzene
 Concen: 19.912 ug/L
 RT: 11.41 min Scan# 3210
 Delta R.T. 0.00 min
 Lab File: VU032395.D
 Acq: 03 Jun 2019 16:00

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD02012

Tgt Ion:146 Resp: 698372
 Ion Ratio Lower Upper
 146 100
 111 43.1 29.8 55.3
 148 63.3 44.2 82.0

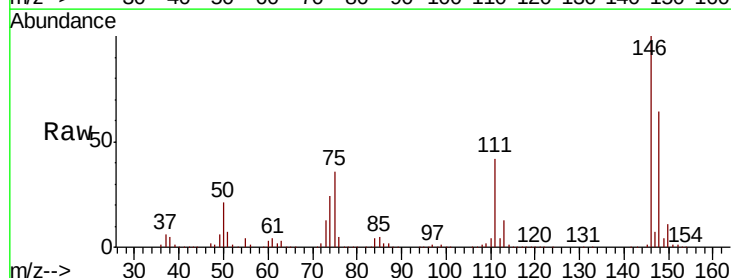


Abundance Ion 145.95 (145.65 to 146.65): V
 Ion 111.00 (110.70 to 111.70): V
 Ion 148.00 (147.70 to 148.70): V

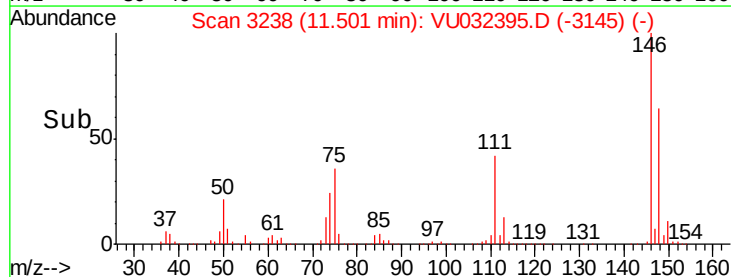
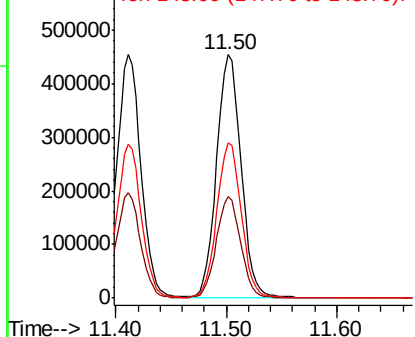


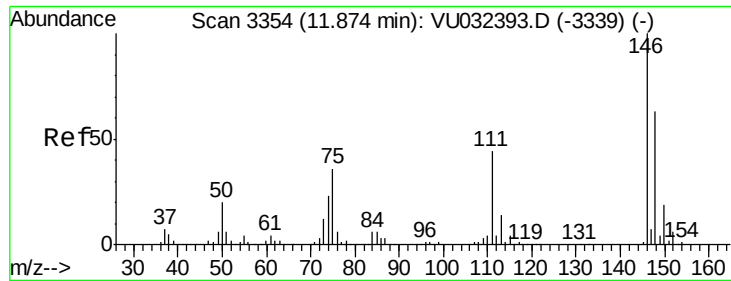
#63
 1,4-Dichlorobenzene
 Concen: 19.941 ug/L
 RT: 11.50 min Scan# 3238
 Delta R.T. 0.00 min
 Lab File: VU032395.D
 Acq: 03 Jun 2019 16:00

Tgt Ion:146 Resp: 701003
 Ion Ratio Lower Upper
 146 100
 111 41.6 28.6 53.2
 148 63.7 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

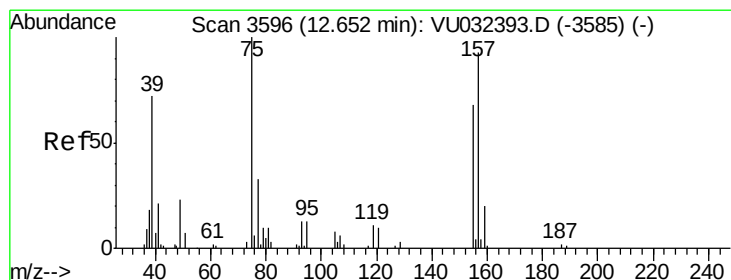
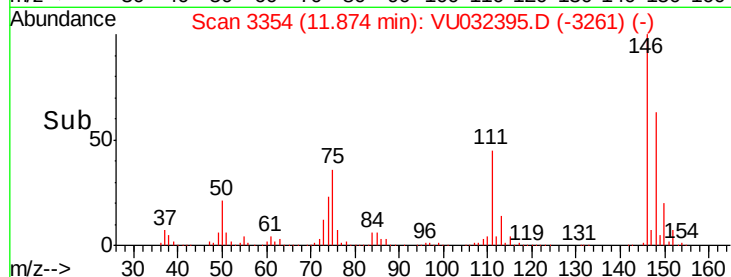
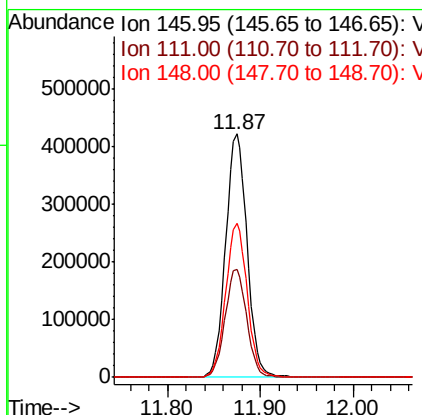
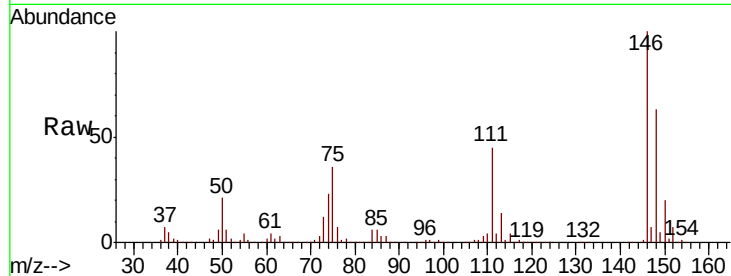




#65
 1,2-Dichlorobenzene
 Concen: 20.285 ug/L
 RT: 11.87 min Scan# 3354
 Delta R.T. 0.00 min
 Lab File: VU032395.D
 Acq: 03 Jun 2019 16:00

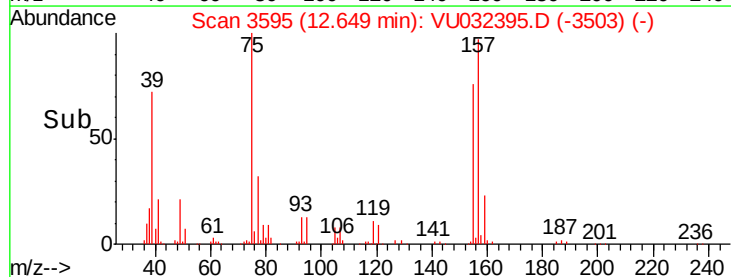
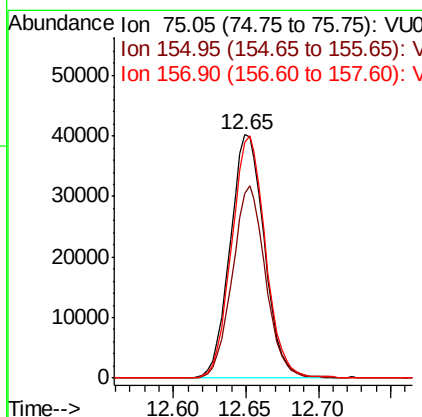
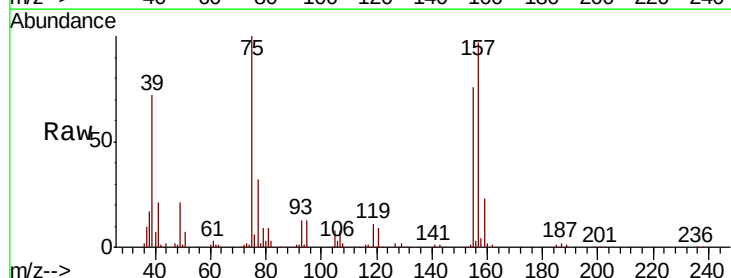
Instrument :
 MSVOA_U
 ClientSampled :
 VSTD02012

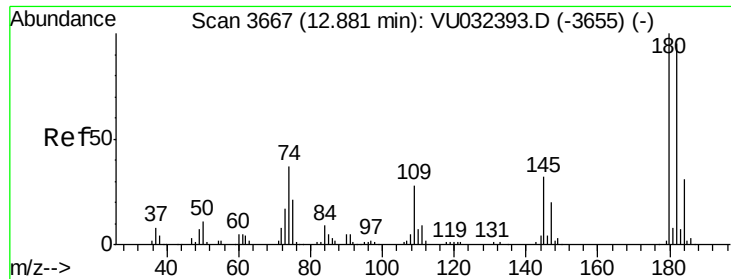
Tgt Ion: 146 Resp: 675864
 Ion Ratio Lower Upper
 146 100
 111 44.6 35.2 52.8
 148 63.2 50.3 75.5



#66
 1,2-Dibromo-3-chloropropane
 Concen: 20.142 ug/L
 RT: 12.65 min Scan# 3595
 Delta R.T. -0.00 min
 Lab File: VU032395.D
 Acq: 03 Jun 2019 16:00

Tgt Ion: 75 Resp: 66073
 Ion Ratio Lower Upper
 75 100
 155 75.9 54.8 82.2
 157 96.7 74.7 112.1

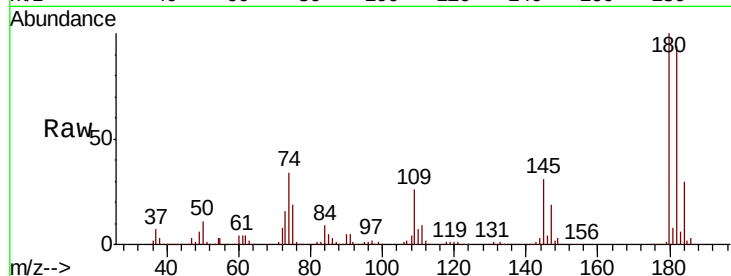




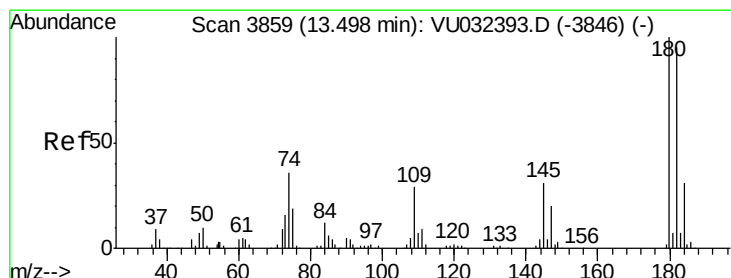
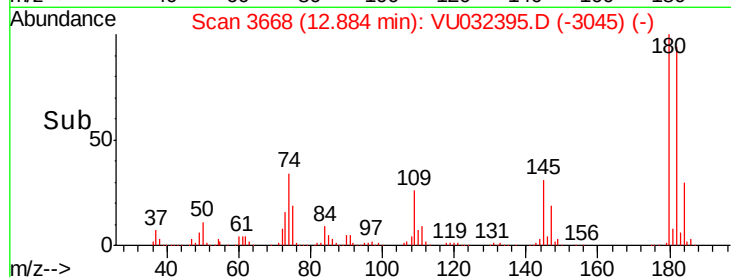
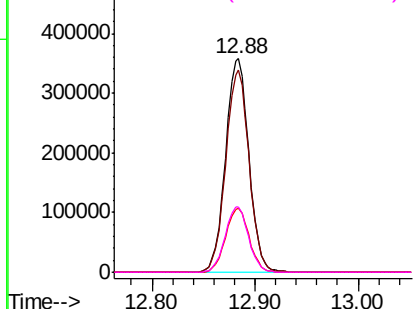
#67
 1,3,5-Trichlorobenzene
 Concen: 20.767 ug/L
 RT: 12.88 min Scan# 3668
 Delta R.T. 0.00 min
 Lab File: VU032395.D
 Acq: 03 Jun 2019 16:00

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD02012

Tgt Ion:180 Resp: 563634
 Ion Ratio Lower Upper
 180 100
 182 94.7 76.0 114.0
 184 30.2 24.5 36.7
 145 30.7 25.2 37.8

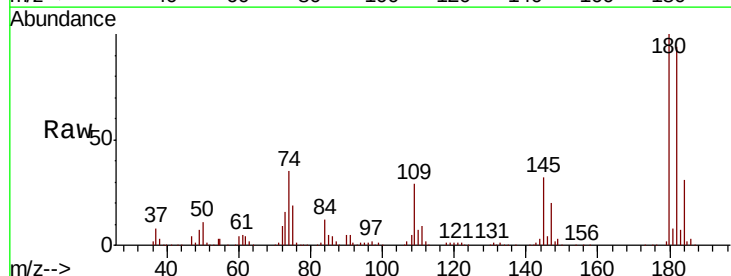


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V
 Ion 145.00 (144.70 to 145.70): V

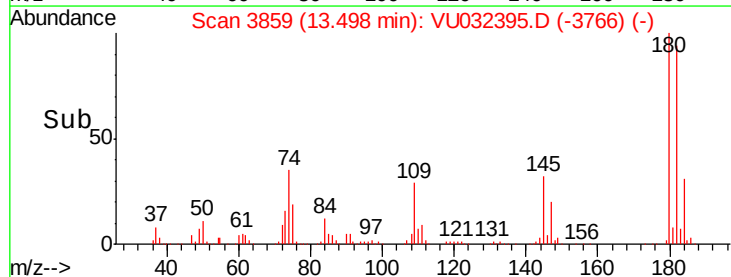
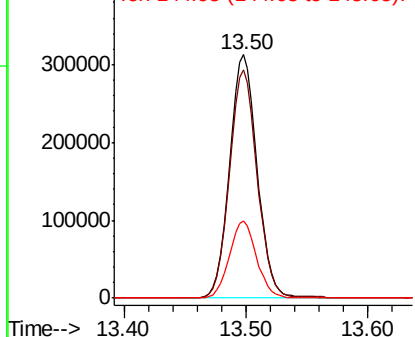


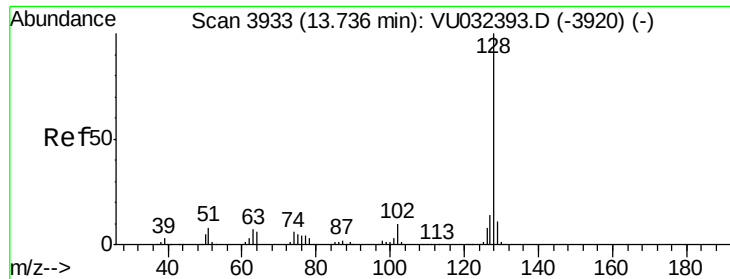
#68
 1,2,4-trichlorobenzene
 Concen: 20.925 ug/L
 RT: 13.50 min Scan# 3859
 Delta R.T. 0.00 min
 Lab File: VU032395.D
 Acq: 03 Jun 2019 16:00

Tgt Ion:180 Resp: 493297
 Ion Ratio Lower Upper
 180 100
 182 94.2 77.3 115.9
 145 31.4 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: 21.051 ug/L

RT: 13.74 min Scan# 3933

Delta R.T. 0.00 min

Lab File: VU032395.D

Acq: 03 Jun 2019 16:00

Instrument :

MSVOA_U

ClientSampleId :

VSTD02012

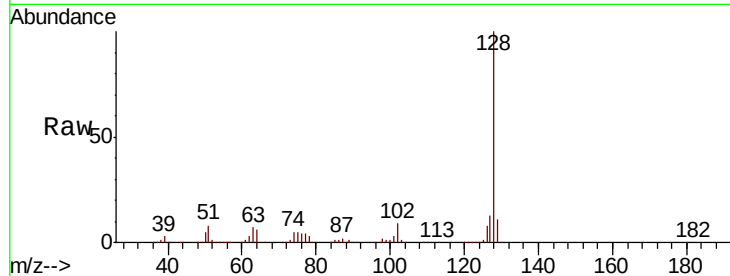
Tgt Ion:128 Resp: 976250

Ion Ratio Lower Upper

128 100

129 10.7 8.6 13.0

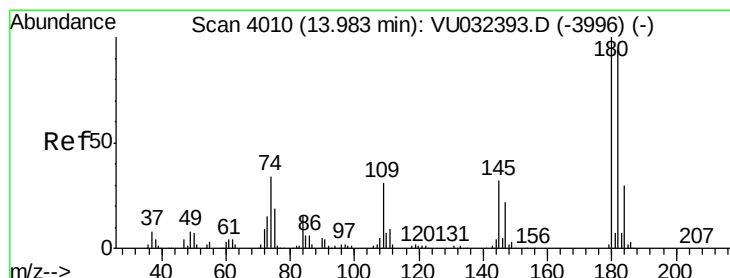
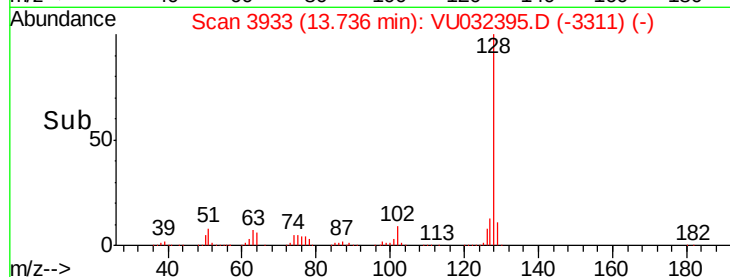
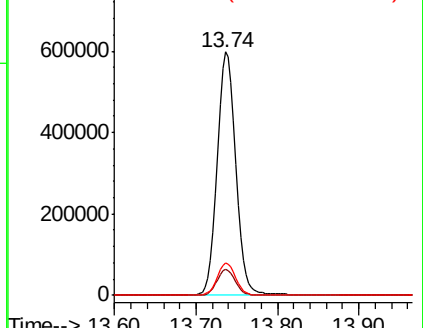
127 13.2 11.0 16.4



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: 20.384 ug/L

RT: 13.98 min Scan# 4009

Delta R.T. -0.00 min

Lab File: VU032395.D

Acq: 03 Jun 2019 16:00

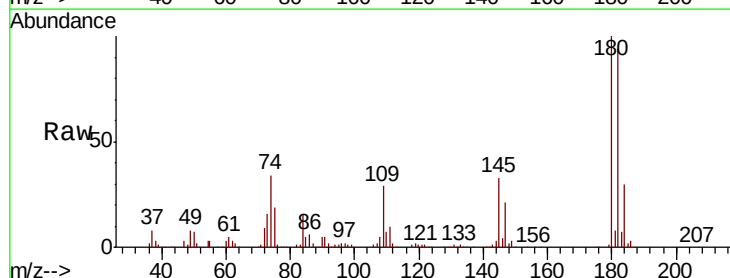
Tgt Ion:180 Resp: 450847

Ion Ratio Lower Upper

180 100

182 95.1 76.6 114.8

145 32.8 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

