

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\U112119\
 Data File : VU035795.D
 Acq On : 21 Nov 2019 10:40
 Operator : JC/SP
 Sample : VSTD00505
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00505

Quant Time: Nov 21 17:09:16 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR112119WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Thu Nov 21 17:06:12 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.29	114	259871	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.45	117	288606	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.84	152	164253	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.61	65	169701	6.01	ug/L	0.00
7) Chloroethane-d5	1.93	69	144395	6.20	ug/L	0.00
11) 1,1-Dichloroethene-d2	2.59	63	315384	6.48	ug/L	0.00
20) 2-Butanone-d5	4.70	46	393297	62.51	ug/L	0.00
24) Chloroform-d	5.11	84	286211	6.30	ug/L	0.00
26) 1,2-Dichloroethane-d4	5.75	65	156588	6.45	ug/L	0.00
32) Benzene-d6	5.77	84	554742	5.87	ug/L	0.00
36) 1,2-Dichloropropane-d6	6.73	67	190006	6.11	ug/L	0.00
41) Toluene-d8	7.93	98	522250	5.84	ug/L	0.00
43) trans-1,3-Dichloropropene-	8.21	79	72840	5.92	ug/L	0.00
46) 2-Hexanone-d5	8.68	63	296306	61.45	ug/L	0.00
57) 1,1,2,2-Tetrachloroethane-	10.79	84	155666	6.00	ug/L	0.00
64) 1,2-Dichlorobenzene-d4	12.22	152	167245	5.07	ug/L	0.00

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.40	85	176829	6.031 ug/L	100
3) Chloromethane	1.53	50	219909	6.365 ug/L	100
5) Vinyl chloride	1.62	62	222123	6.319 ug/L	100
6) Bromomethane	1.87	94	111953	5.724 ug/L	100
8) Chloroethane	1.95	64	130181	6.435 ug/L	100
9) Trichlorofluoromethane	2.16	101	263091	6.187 ug/L	100
10) 1,1,2-Trichloro-1,2,2-trif	2.61	101	146930	5.916 ug/L	100
12) 1,1-Dichloroethene	2.61	96	135931	5.728 ug/L	100
13) Acetone	2.68	43	330507	69.769 ug/L	100
14) Carbon disulfide	2.82	76	455233	5.898 ug/L	100
15) Methyl Acetate	3.00	43	69319	6.470 ug/L	100
16) Methylene chloride	3.08	84	157959	5.611 ug/L	100
17) Methyl tert-butyl Ether	3.42	73	336173	5.996 ug/L	100
18) trans-1,2-Dichloroethene	3.39	96	137786	5.688 ug/L	100
19) 1,1-Dichloroethane	3.92	63	305418	6.500 ug/L	100
21) 2-Butanone	4.78	43	445734	65.616 ug/L	100
22) cis-1,2-Dichloroethene	4.72	96	151792	5.672 ug/L	100
23) Bromochloromethane	5.02	128	67955	5.418 ug/L	100
25) Chloroform	5.14	83	302285	5.996 ug/L	100
27) 1,2-Dichloroethane	5.84	62	195140	6.776 ug/L	100
29) 1,1,1-Trichloroethane	5.36	97	237602	6.003 ug/L	100
30) Cyclohexane	5.43	56	235207	5.942 ug/L	100
31) Carbon tetrachloride	5.57	117	207149	5.864 ug/L	100
33) Benzene	5.82	78	635270	5.991 ug/L	100
34) Trichloroethene	6.58	95	151831	5.675 ug/L	100
35) Methylcyclohexane	6.80	83	217020	5.409 ug/L	100
37) 1,2-Dichloropropane	6.83	63	174178	6.153 ug/L	100
38) Bromodichloromethane	7.15	83	210065	6.146 ug/L	100
39) cis-1,3-Dichloropropene	7.65	75	229740	5.795 ug/L	100
40) 4-Methyl-2-pentanone	7.84	43	1082499	65.475 ug/L	100

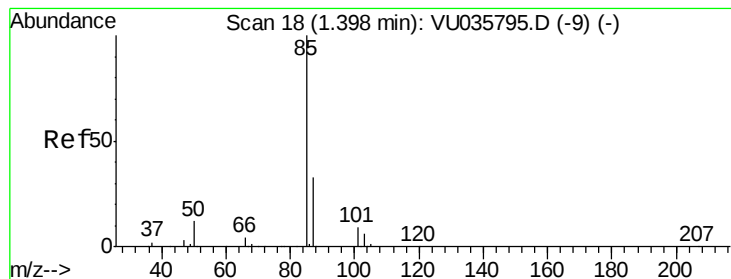
Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU112119\
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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
42) Toluene	8.01	91	671764	6.047	ug/L	100
44) trans-1,3-Dichloropropene	8.25	75	193101	6.054	ug/L	100
45) 1,1,2-Trichloroethane	8.44	97	115571	5.826	ug/L	100
47) Tetrachloroethene	8.58	164	114582	5.087	ug/L	100
48) 2-Hexanone	8.73	43	823609	69.308	ug/L	100
49) Dibromochloromethane	8.84	129	137281	5.663	ug/L	100
50) 1,2-Dibromoethane	8.96	107	107234	5.731	ug/L	100
51) Chlorobenzene	9.48	112	394398	5.538	ug/L	100
52) Ethylbenzene	9.60	91	665123	5.746	ug/L	100
53) m,p-Xylene	9.72	106	244851	5.652	ug/L	100
54) o-Xylene	10.13	106	235171	5.632	ug/L	100
55) Styrene	10.14	104	412319	5.918	ug/L	100
56) Isopropylbenzene	10.51	105	632859	5.714	ug/L	100
58) 1,1,2,2-Tetrachloroethane	10.81	83	153670	5.887	ug/L	100
59) 1,2,3-Trichloropropane	10.85	75	113489	6.096	ug/L	100
61) Bromoform	10.32	173	75180	5.010	ug/L	100
62) 1,3-Dichlorobenzene	11.77	146	294381	5.266	ug/L	100
63) 1,4-Dichlorobenzene	11.86	146	287576	5.336	ug/L	100
65) 1,2-Dichlorobenzene	12.24	146	274134	5.245	ug/L	100
66) 1,2-Dibromo-3-chloropropan	13.02	75	20671	5.948	ug/L	100
67) 1,3,5-Trichlorobenzene	13.24	180	185628	5.226	ug/L	100
68) 1,2,4-trichlorobenzene	13.86	180	99332	4.653	ug/L	100
69) Naphthalene	14.11	128	115997	4.369	ug/L	100
70) 1,2,3-Trichlorobenzene	14.35	180	97960	4.753	ug/L	100

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



#2

Dichlorodifluoromethane

Concen: 6.031 ug/L

RT: 1.40 min Scan# 18

Delta R.T. 0.00 min

Lab File: VU035795.D

Acq: 21 Nov 2019 10:40

Instrument :

MSVOA_U

ClientSampleId :

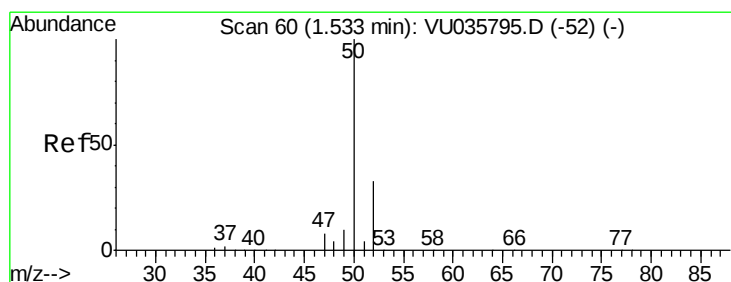
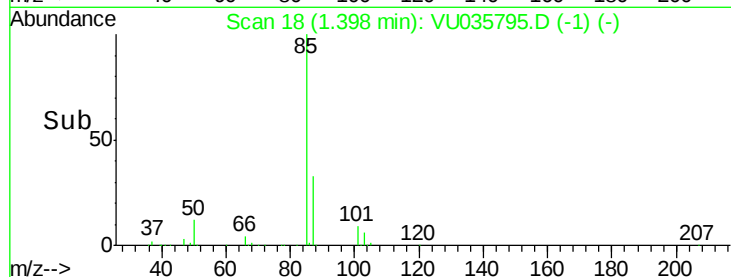
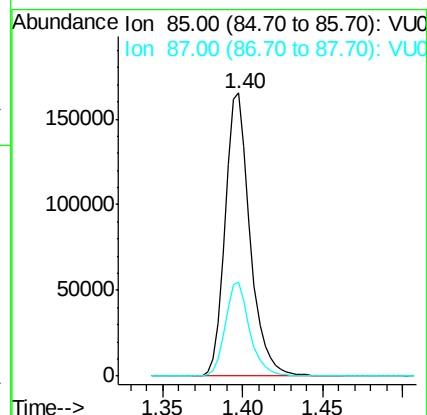
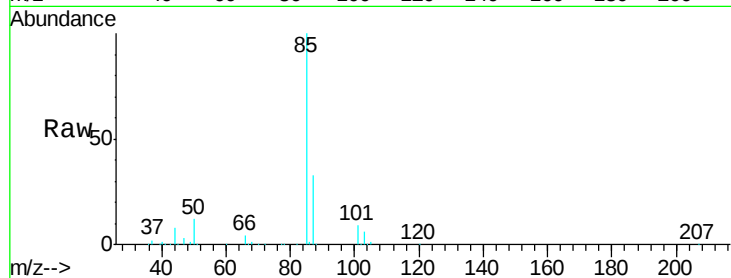
VSTD00505

Tgt Ion: 85 Resp: 176829

Ion Ratio Lower Upper

85 100

87 32.7 26.2 39.2



#3

Chloromethane

Concen: 6.365 ug/L

RT: 1.53 min Scan# 60

Delta R.T. 0.00 min

Lab File: VU035795.D

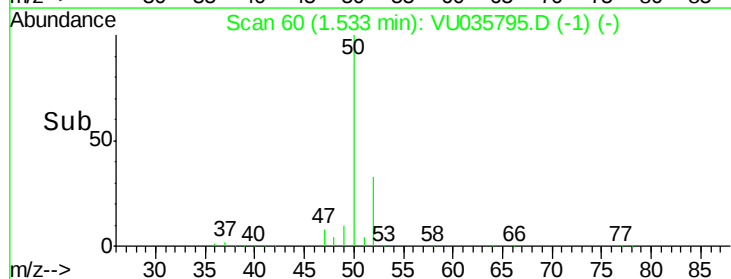
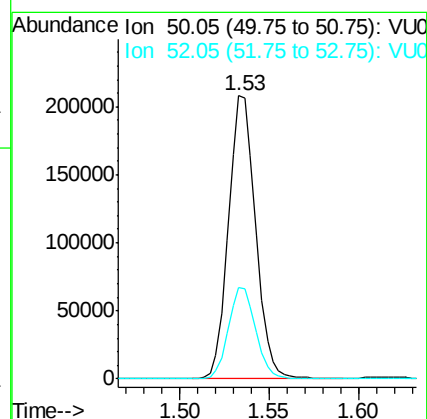
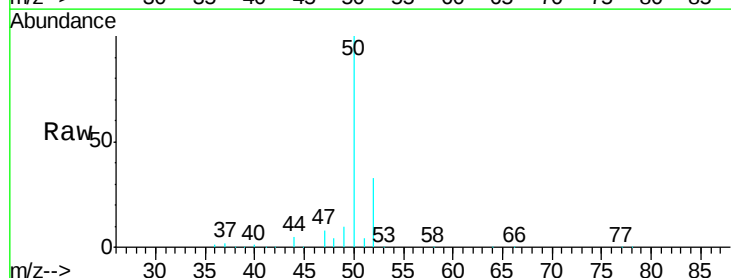
Acq: 21 Nov 2019 10:40

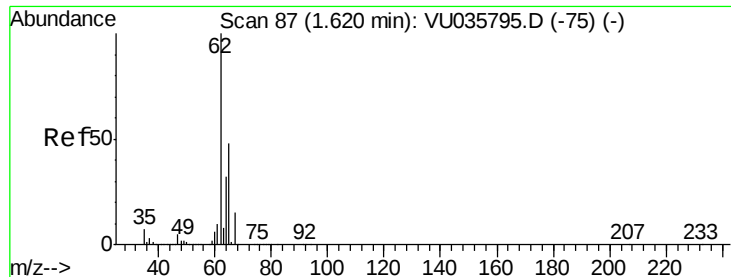
Tgt Ion: 50 Resp: 219909

Ion Ratio Lower Upper

50 100

52 32.5 22.7 42.3





#5

Vinyl chloride

Concen: 6.319 ug/L

RT: 1.62 min Scan# 87

Delta R.T. 0.00 min

Lab File: VU035795.D

Acq: 21 Nov 2019 10:40

Instrument :

MSVOA_U

ClientSampleId :

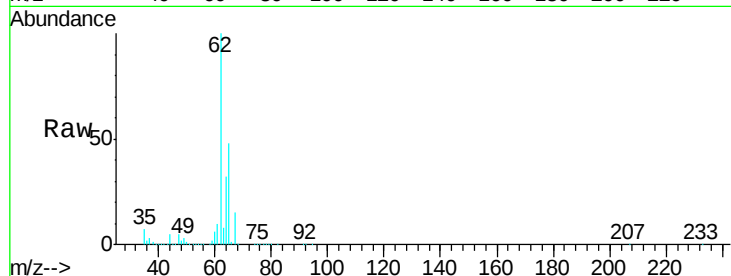
VSTD00505

Tgt Ion: 62 Resp: 222123

Ion Ratio Lower Upper

62 100

64 32.2 22.5 41.9



Abundance Ion 62.00 (61.70 to 62.70): VU035795.D (-75) (-)

Ion 64.10 (63.80 to 64.80): VU035795.D (-75) (-)

1.62

200000

150000

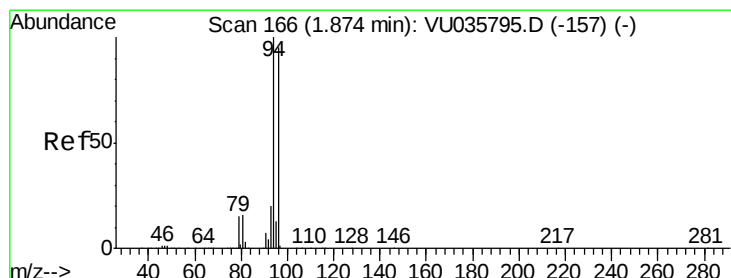
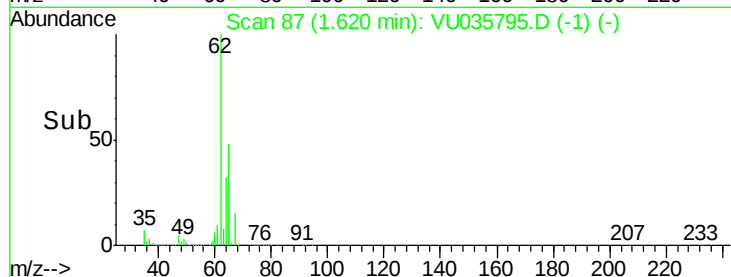
100000

50000

0

1.55 1.60 1.65 1.70

Time-->



#6

Bromomethane

Concen: 5.724 ug/L

RT: 1.87 min Scan# 166

Delta R.T. 0.00 min

Lab File: VU035795.D

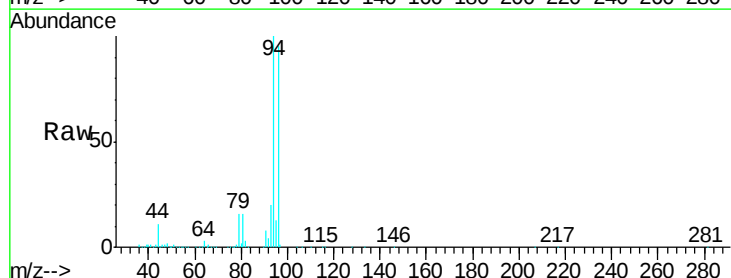
Acq: 21 Nov 2019 10:40

Tgt Ion: 94 Resp: 111953

Ion Ratio Lower Upper

94 100

96 95.0 66.5 123.5



Abundance Ion 94.00 (93.70 to 94.70): VU035795.D (-157) (-)

Ion 96.00 (95.70 to 96.70): VU035795.D (-157) (-)

1.87

100000

80000

60000

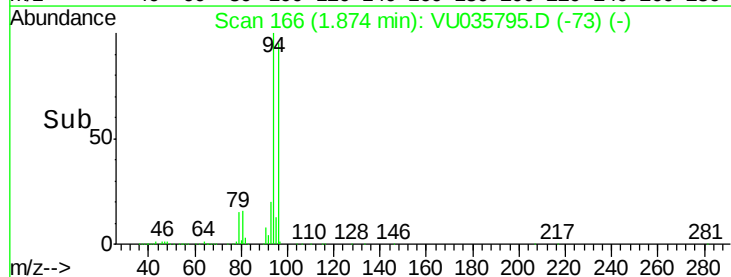
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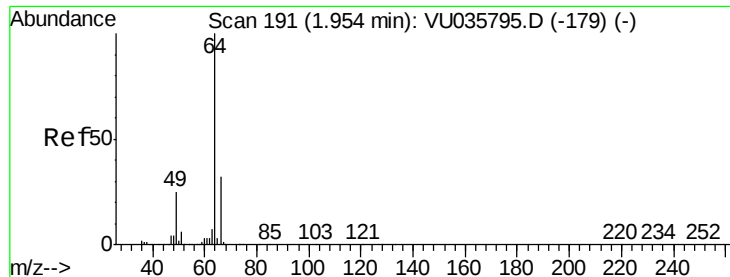
20000

0

1.85 1.90

Time-->





#8

Chloroethane

Concen: 6.435 ug/L

RT: 1.95 min Scan# 191

Delta R.T. 0.00 min

Lab File: VU035795.D

Acq: 21 Nov 2019 10:40

Instrument :

MSVOA_U

ClientSampleId :

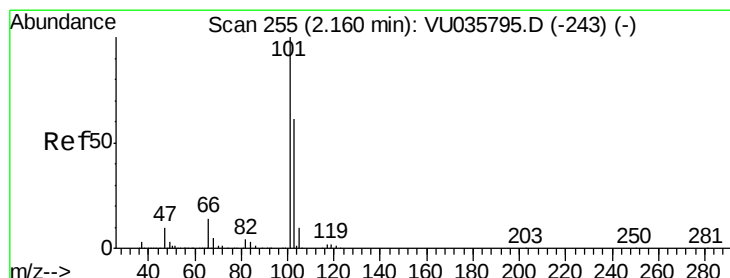
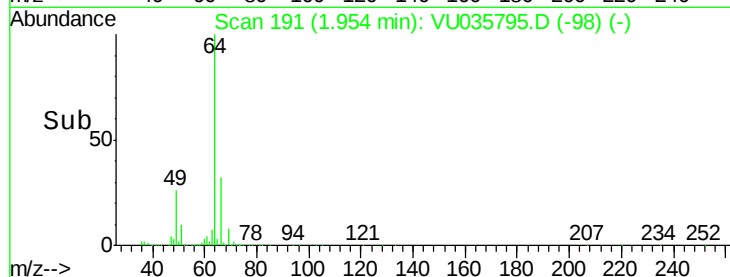
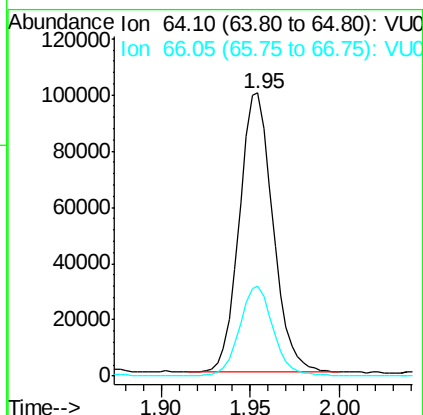
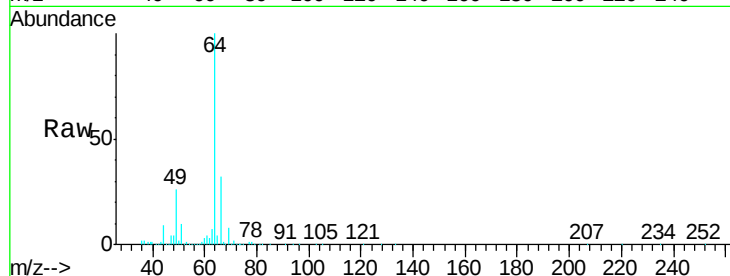
VSTD00505

Tgt Ion: 64 Resp: 130181

Ion Ratio Lower Upper

64 100

66 31.9 22.3 41.5



#9

Trichlorofluoromethane

Concen: 6.187 ug/L

RT: 2.16 min Scan# 255

Delta R.T. 0.00 min

Lab File: VU035795.D

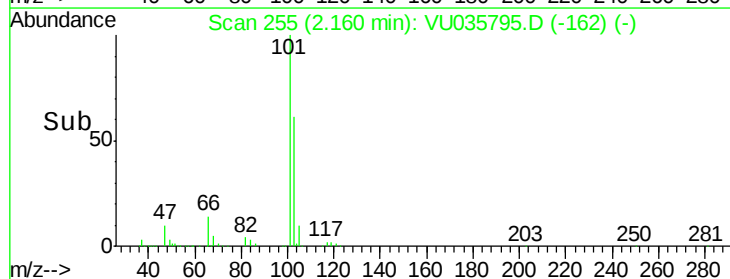
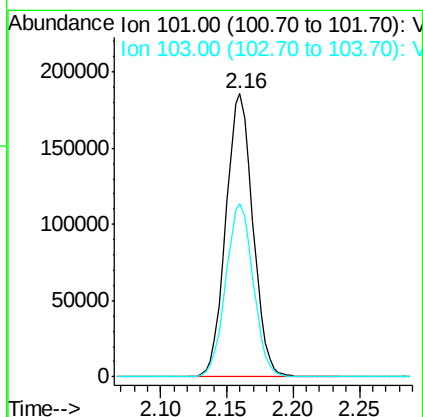
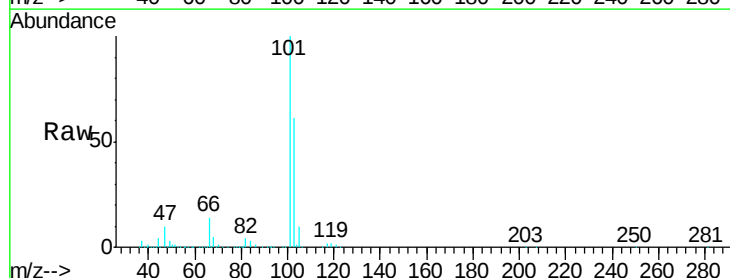
Acq: 21 Nov 2019 10:40

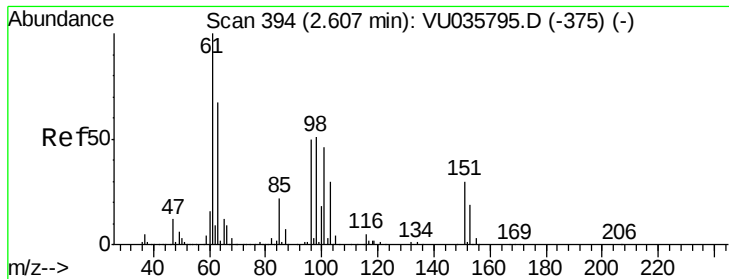
Tgt Ion: 101 Resp: 263091

Ion Ratio Lower Upper

101 100

103 62.2 49.8 74.6





#10

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

Concen: 5.916 ug/L

RT: 2.61 min Scan# 394

Delta R.T. 0.00 min

Lab File: VU035795.D

Acq: 21 Nov 2019 10:40

Instrument :

MSVOA_U

ClientSampleId :

VSTD00505

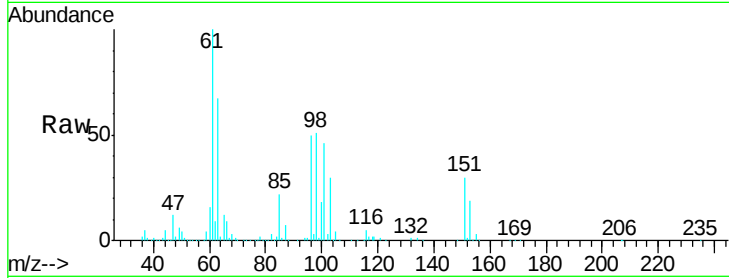
Tgt Ion: 101 Resp: 146930

Ion Ratio Lower Upper

101 100

85 47.6 38.1 57.1

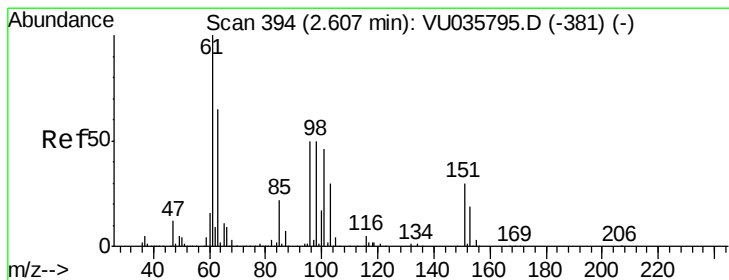
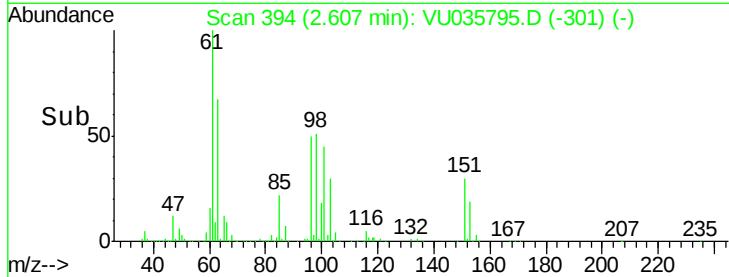
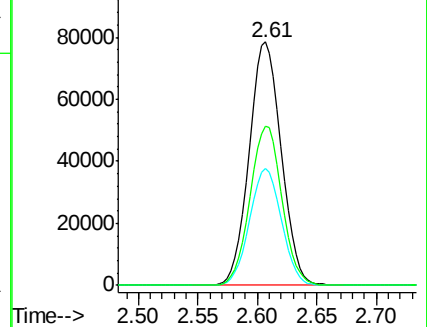
151 65.0 52.0 78.0



Abundance Ion 101.00 (100.70 to 101.70): VU035795.D (-375) (-)

Ion 85.00 (84.70 to 85.70): VU035795.D (-375) (-)

Ion 151.00 (150.70 to 151.70): VU035795.D (-375) (-)



#12

1,1-Dichloroethene

Concen: 5.728 ug/L

RT: 2.61 min Scan# 394

Delta R.T. 0.00 min

Lab File: VU035795.D

Acq: 21 Nov 2019 10:40

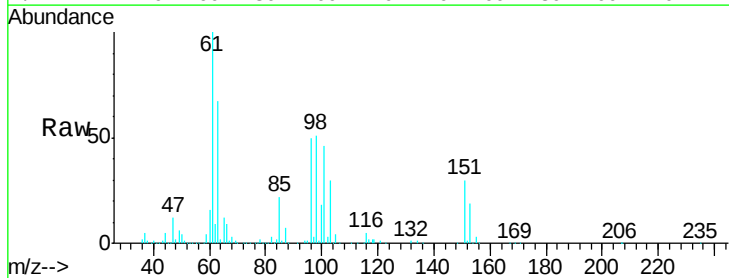
Tgt Ion: 96 Resp: 135931

Ion Ratio Lower Upper

96 100

61 199.0 139.3 258.7

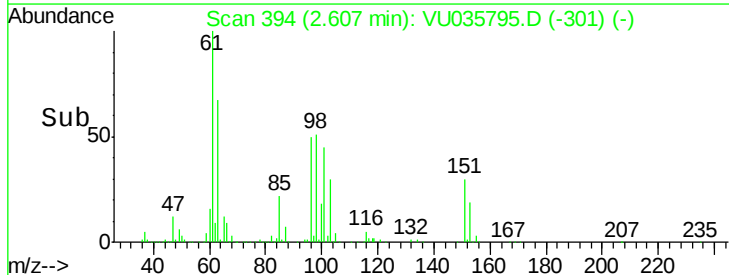
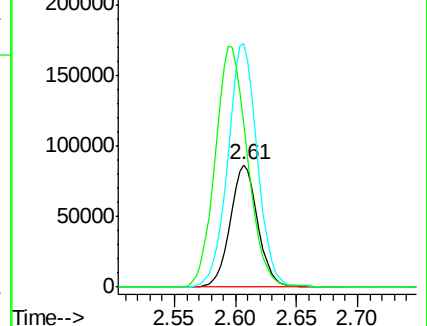
63 133.9 93.7 174.1

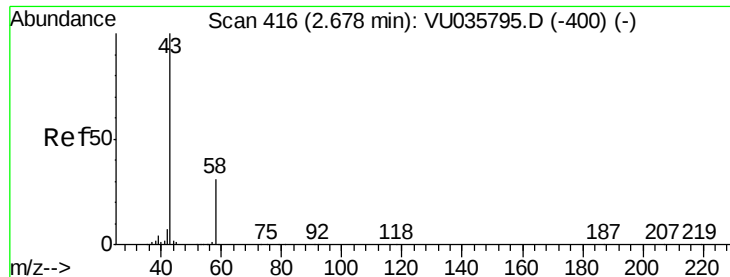


Abundance Ion 96.00 (95.70 to 96.70): VU035795.D (-381) (-)

Ion 61.05 (60.75 to 61.75): VU035795.D (-381) (-)

Ion 63.00 (62.70 to 63.70): VU035795.D (-381) (-)





#13

Acetone

Concen: 69.769 ug/L

RT: 2.68 min Scan# 416

Delta R.T. 0.00 min

Lab File: VU035795.D

Acq: 21 Nov 2019 10:40

Instrument :

MSVOA_U

ClientSampleId :

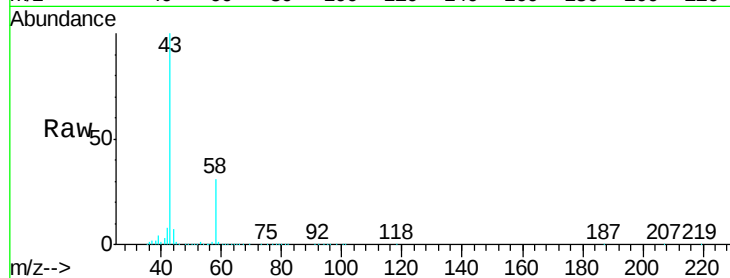
VSTD00505

Tgt Ion: 43 Resp: 330507

Ion Ratio Lower Upper

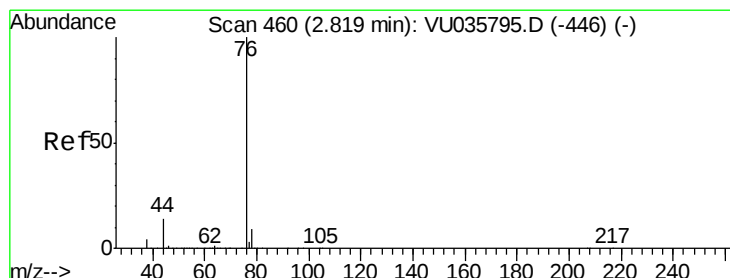
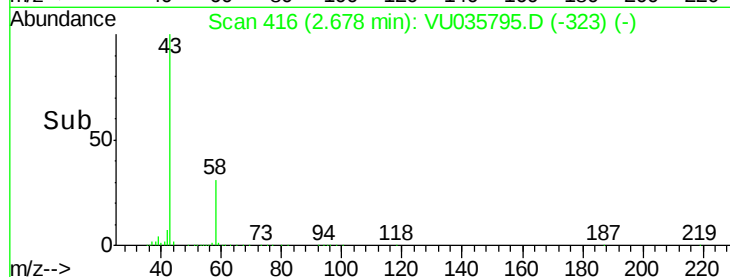
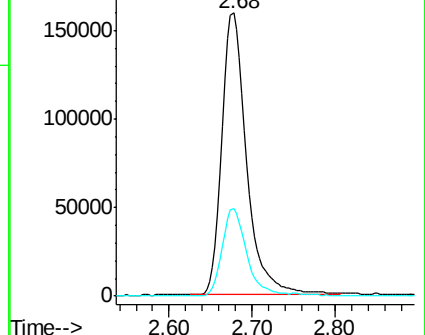
43 100

58 30.6 0.0 61.2



Abundance Ion 43.05 (42.75 to 43.75): VU035795.D (-400) (-)

Ion 58.05 (57.75 to 58.75): VU035795.D (-400) (-)



#14

Carbon disulfide

Concen: 5.898 ug/L

RT: 2.82 min Scan# 460

Delta R.T. 0.00 min

Lab File: VU035795.D

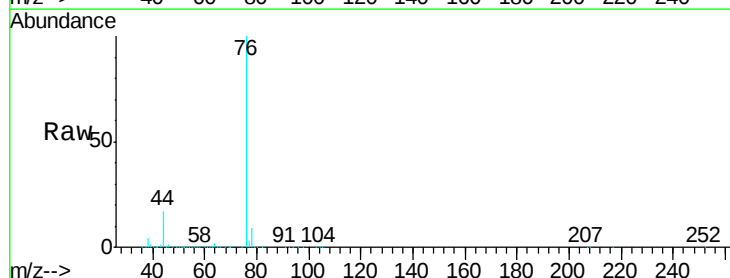
Acq: 21 Nov 2019 10:40

Tgt Ion: 76 Resp: 455233

Ion Ratio Lower Upper

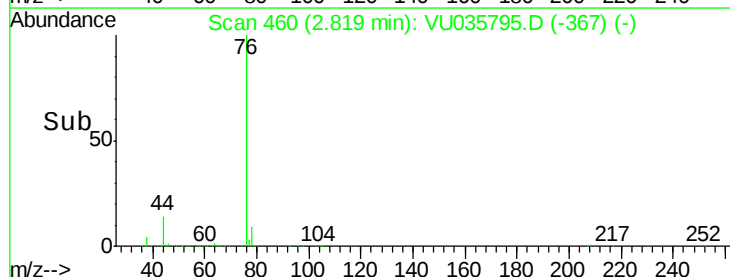
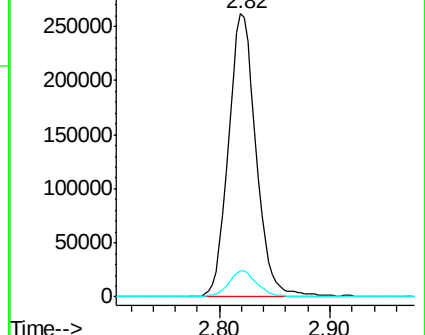
76 100

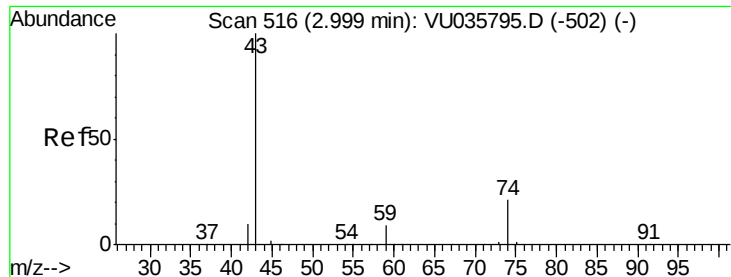
78 9.1 7.3 10.9



Abundance Ion 76.05 (75.75 to 76.75): VU035795.D (-446) (-)

Ion 78.00 (77.70 to 78.70): VU035795.D (-446) (-)

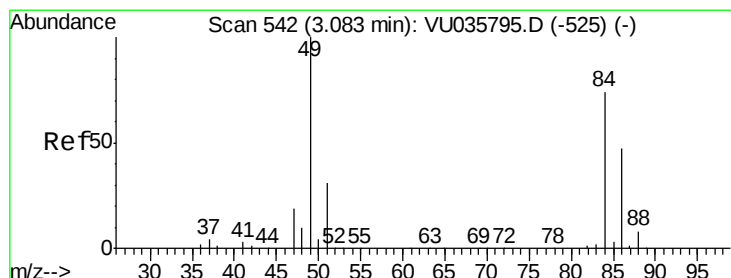
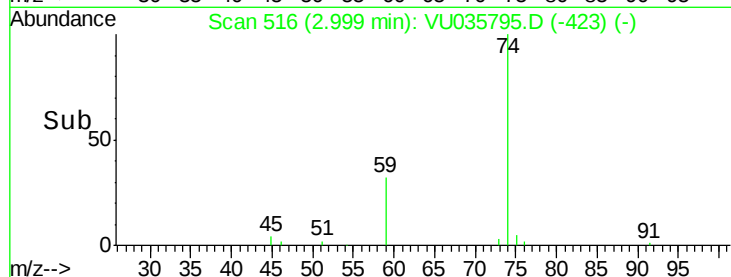
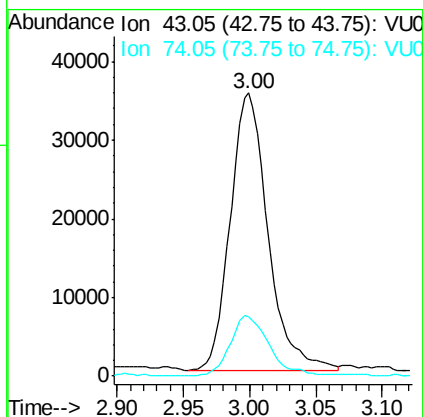
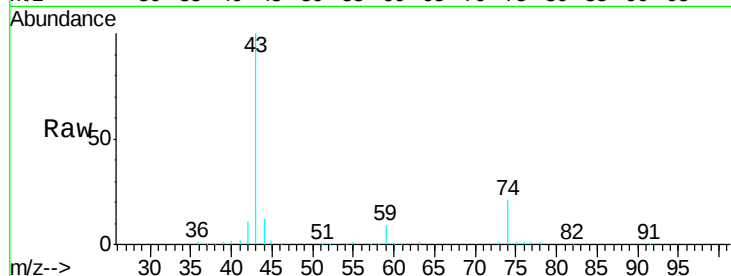




#15
Methyl Acetate
Concen: 6.470 ug/L
RT: 3.00 min Scan# 516
Delta R.T. 0.00 min
Lab File: VU035795.D
Acq: 21 Nov 2019 10:40

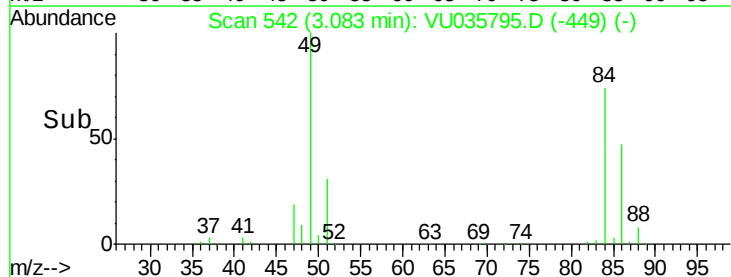
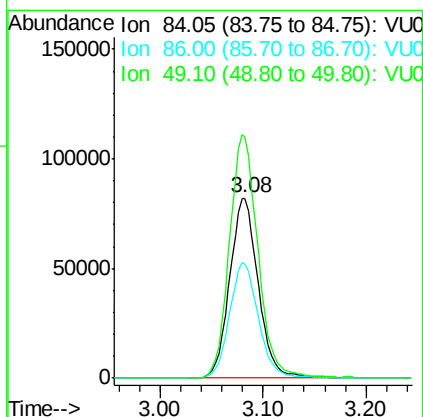
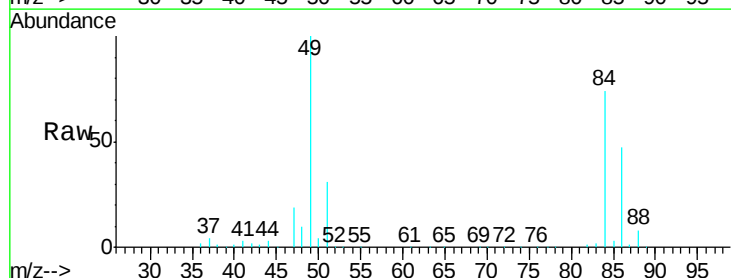
Instrument :
MSVOA_U
ClientSampleId :
VSTD00505

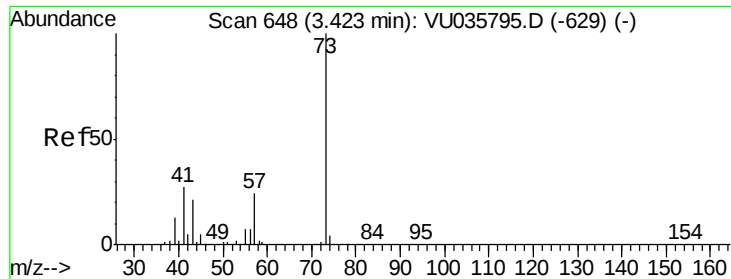
Tgt Ion: 43 Resp: 69319
Ion Ratio Lower Upper
43 100
74 22.8 18.2 27.4



#16
Methylene chloride
Concen: 5.611 ug/L
RT: 3.08 min Scan# 542
Delta R.T. 0.00 min
Lab File: VU035795.D
Acq: 21 Nov 2019 10:40

Tgt Ion: 84 Resp: 157959
Ion Ratio Lower Upper
84 100
86 63.5 44.4 82.5
49 134.3 94.0 174.6





#17

Methyl tert-butyl Ether

Concen: 5.996 ug/L

RT: 3.42 min Scan# 648

Delta R.T. 0.00 min

Lab File: VU035795.D

Acq: 21 Nov 2019 10:40

Instrument :

MSVOA_U

ClientSampleId :

VSTD00505

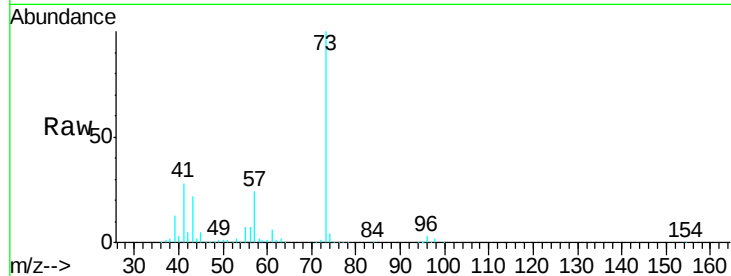
Tgt Ion: 73 Resp: 336173

Ion Ratio Lower Upper

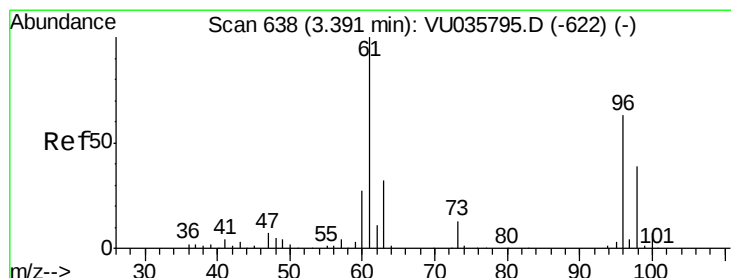
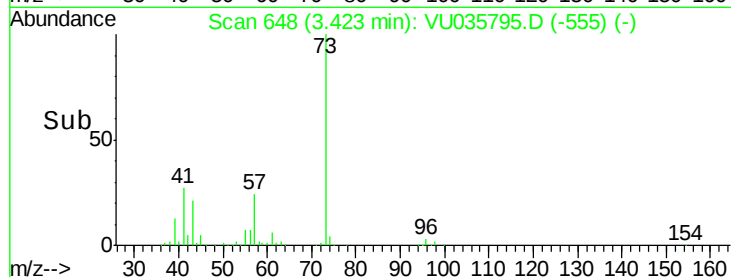
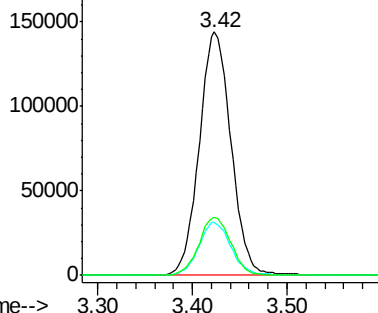
73 100

43 21.8 17.4 26.2

57 24.2 19.4 29.0



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



#18

trans-1,2-Dichloroethene

Concen: 5.688 ug/L

RT: 3.39 min Scan# 638

Delta R.T. 0.00 min

Lab File: VU035795.D

Acq: 21 Nov 2019 10:40

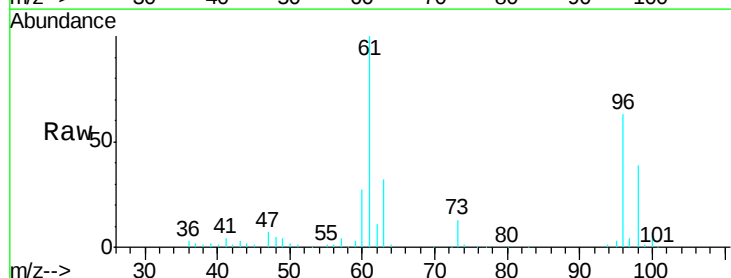
Tgt Ion: 96 Resp: 137786

Ion Ratio Lower Upper

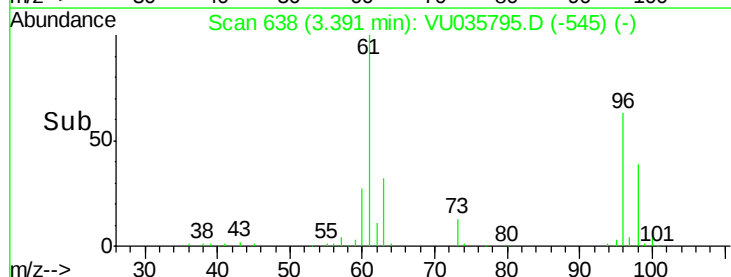
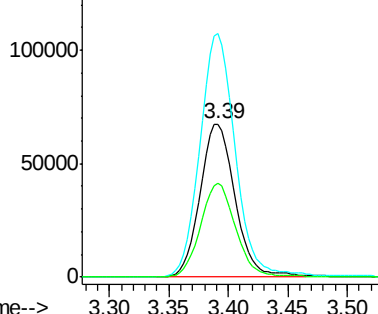
96 100

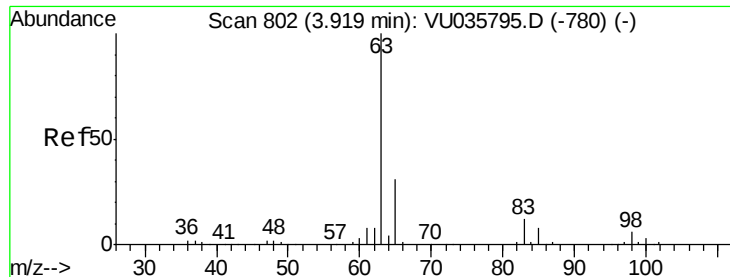
61 158.7 111.1 206.3

98 61.6 43.1 80.1



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: 6.500 ug/L

RT: 3.92 min Scan# 802

Delta R.T. 0.00 min

Lab File: VU035795.D

Acq: 21 Nov 2019 10:40

Instrument :

MSVOA_U

ClientSampleId :

VSTD00505

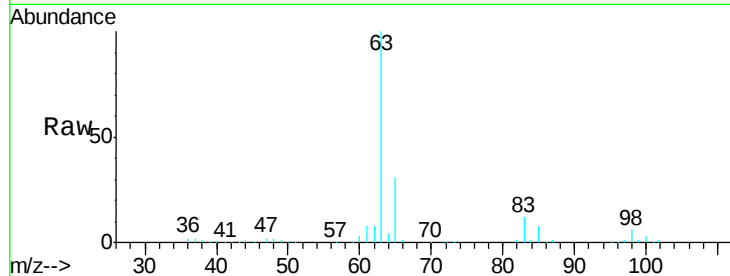
Tgt Ion: 63 Resp: 305418

Ion Ratio Lower Upper

63 100

65 31.1 21.8 40.4

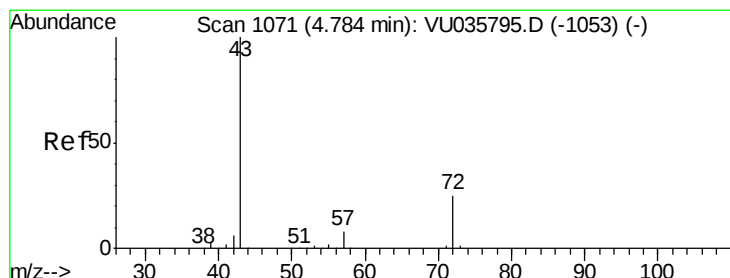
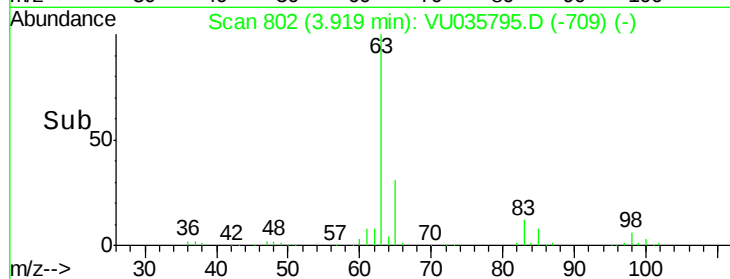
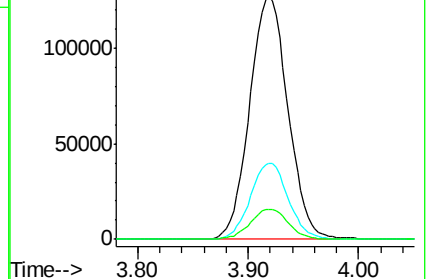
83 12.3 8.6 16.0



Abundance Ion 63.10 (62.80 to 63.80): VU035795.D (-780) (-)

Ion 65.10 (64.80 to 65.80): VU035795.D (-780) (-)

Ion 83.05 (82.75 to 83.75): VU035795.D (-780) (-)



#21

2-Butanone

Concen: 65.616 ug/L

RT: 4.78 min Scan# 1071

Delta R.T. 0.00 min

Lab File: VU035795.D

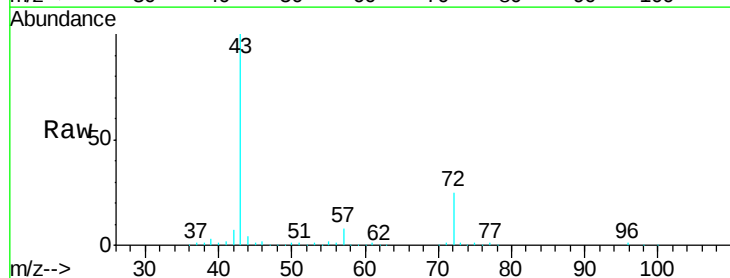
Acq: 21 Nov 2019 10:40

Tgt Ion: 43 Resp: 445734

Ion Ratio Lower Upper

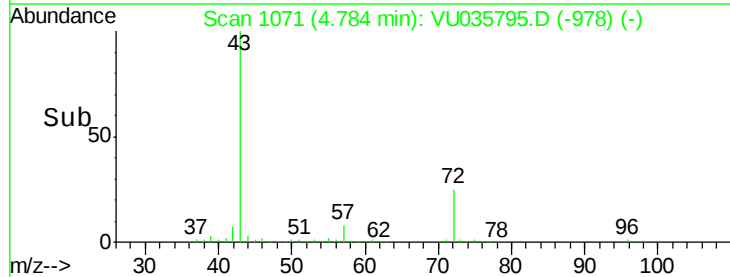
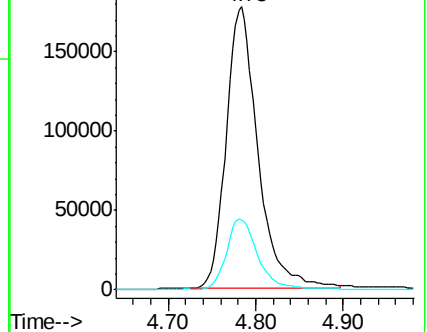
43 100

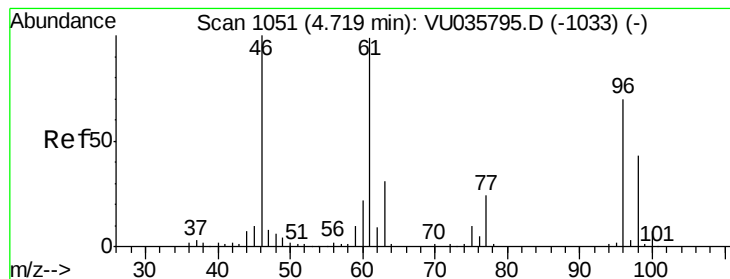
72 24.9 12.4 37.4



Abundance Ion 43.05 (42.75 to 43.75): VU035795.D (-1053) (-)

Ion 72.10 (71.80 to 72.80): VU035795.D (-1053) (-)





#22

cis-1,2-Dichloroethene

Concen: 5.672 ug/L

RT: 4.72 min Scan# 1051

Delta R.T. 0.00 min

Lab File: VU035795.D

Acq: 21 Nov 2019 10:40

Instrument :
MSVOA_U
ClientSampleId :
VSTD00505

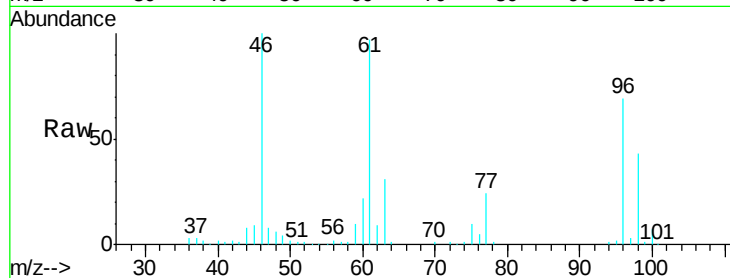
Tgt Ion: 96 Resp: 151792

Ion Ratio Lower Upper

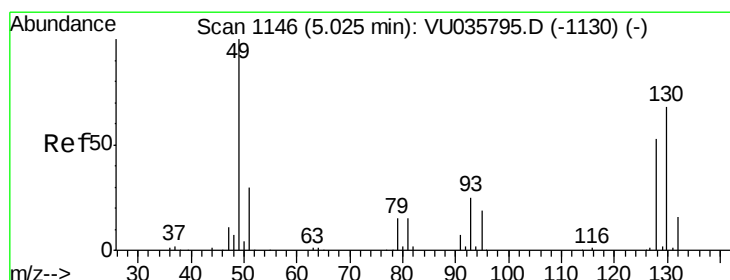
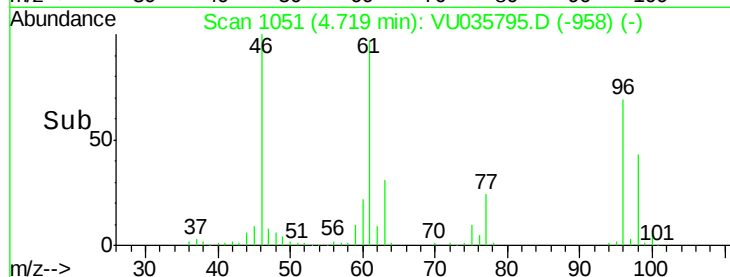
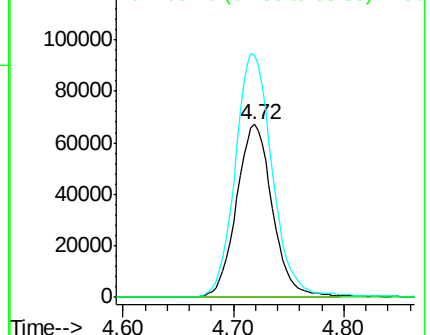
96 100

61 140.1 98.1 182.1

68 0.0 0.0 0.0



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



#23

Bromochloromethane

Concen: 5.418 ug/L

RT: 5.02 min Scan# 1146

Delta R.T. 0.00 min

Lab File: VU035795.D

Acq: 21 Nov 2019 10:40

Tgt Ion: 128 Resp: 67955

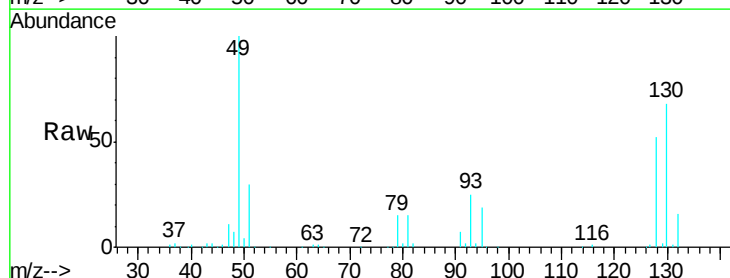
Ion Ratio Lower Upper

128 100

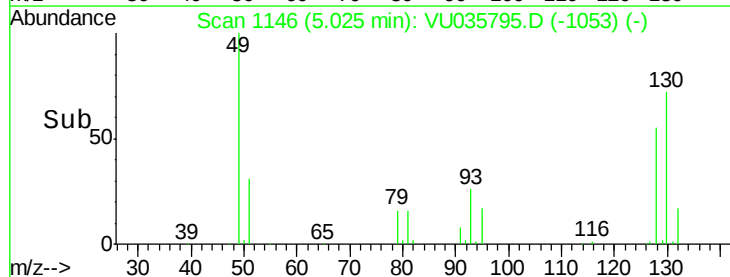
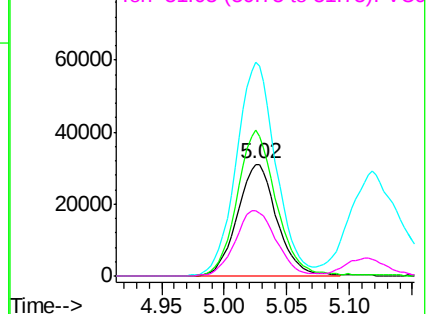
49 191.2 133.8 248.6

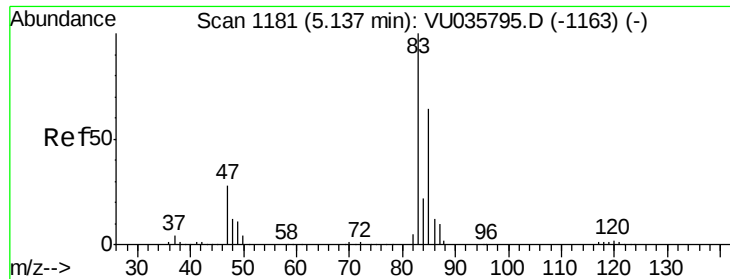
130 130.1 91.1 169.1

51 58.1 46.5 69.7



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





#25

Chloroform

Concen: 5.996 ug/L

RT: 5.14 min Scan# 1181

Delta R.T. 0.00 min

Lab File: VU035795.D

Acq: 21 Nov 2019 10:40

Instrument :

MSVOA_U

ClientSampleId :

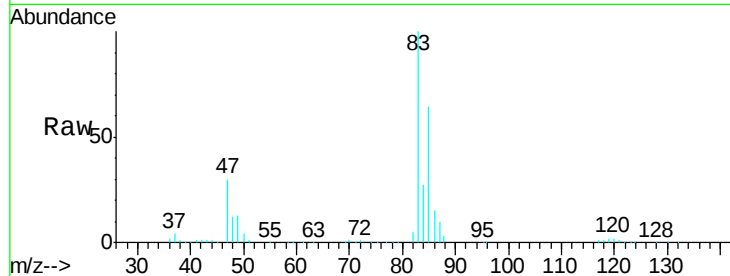
VSTD00505

Tgt Ion: 83 Resp: 302285

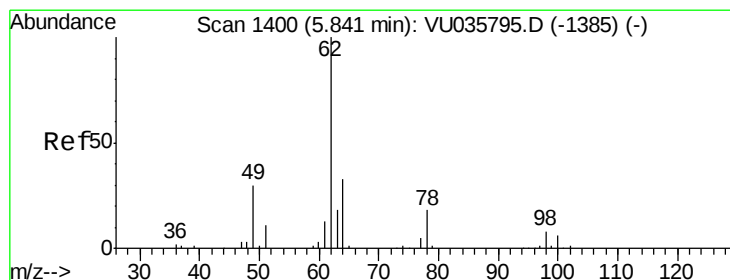
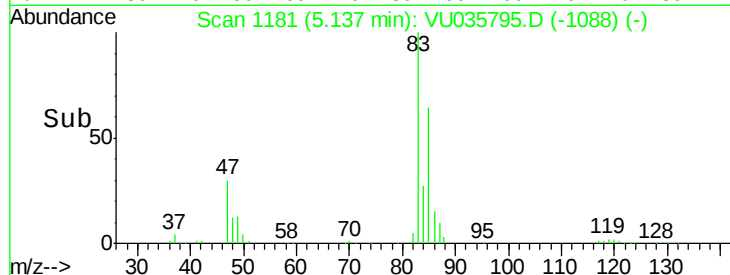
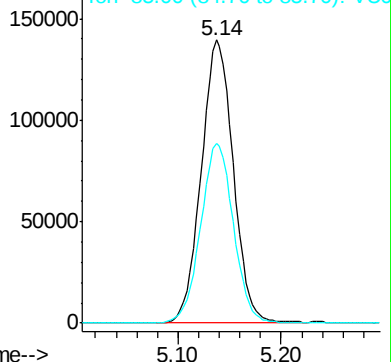
Ion Ratio Lower Upper

83 100

85 63.7 44.6 82.8



Abundance Ion 83.05 (82.75 to 83.75): VU035795.D (-1163) (-)



#27

1,2-Dichloroethane

Concen: 6.776 ug/L

RT: 5.84 min Scan# 1400

Delta R.T. 0.00 min

Lab File: VU035795.D

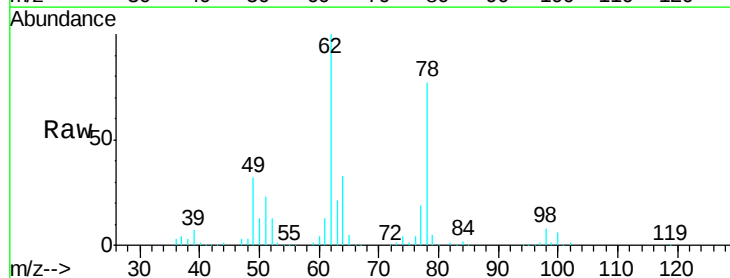
Acq: 21 Nov 2019 10:40

Tgt Ion: 62 Resp: 195140

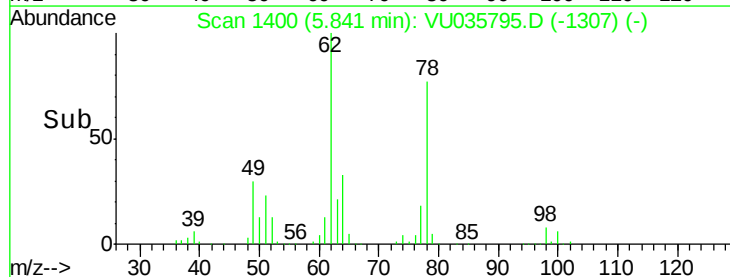
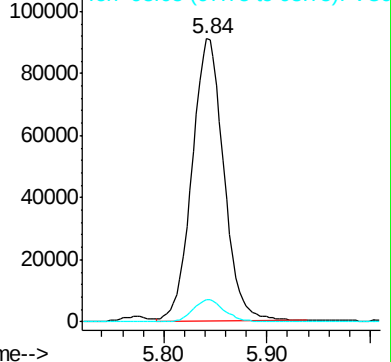
Ion Ratio Lower Upper

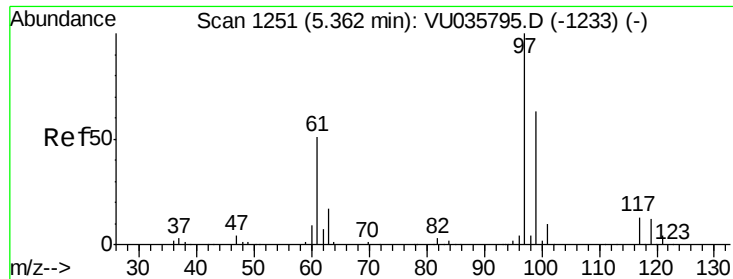
62 100

98 7.8 6.2 9.4



Abundance Ion 62.00 (61.70 to 62.70): VU035795.D (-1385) (-)

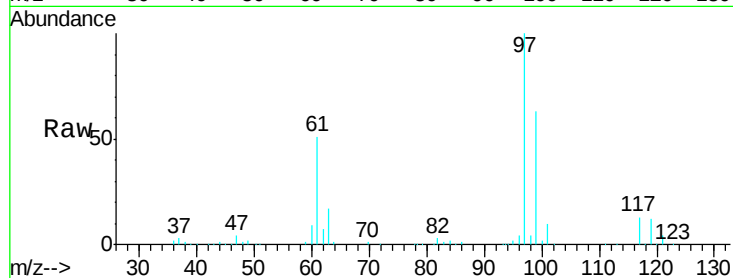




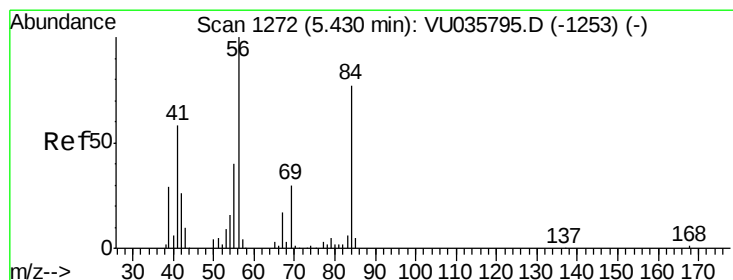
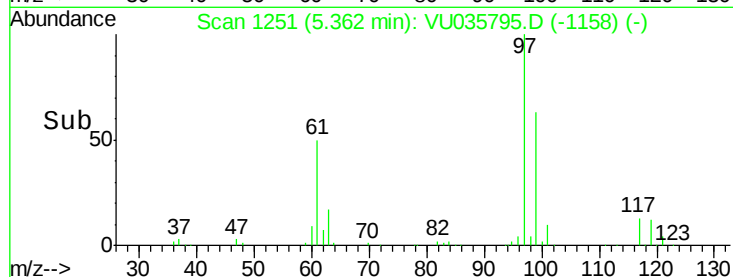
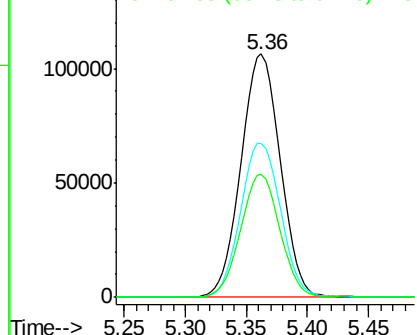
#29
 1,1,1-Trichloroethane
 Concen: 6.003 ug/L
 RT: 5.36 min Scan# 1251
 Delta R.T. 0.00 min
 Lab File: VU035795.D
 Acq: 21 Nov 2019 10:40

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00505

Tgt Ion: 97 Resp: 237602
 Ion Ratio Lower Upper
 97 100
 99 64.9 51.9 77.9
 61 50.4 40.3 60.5

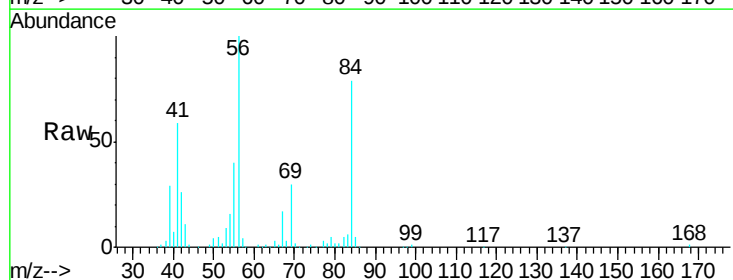


Abundance Ion 96.95 (96.65 to 97.65): VU0
 Ion 99.05 (98.75 to 99.75): VU0
 Ion 61.05 (60.75 to 61.75): VU0

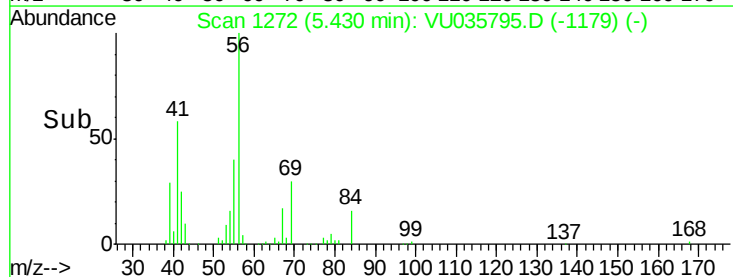
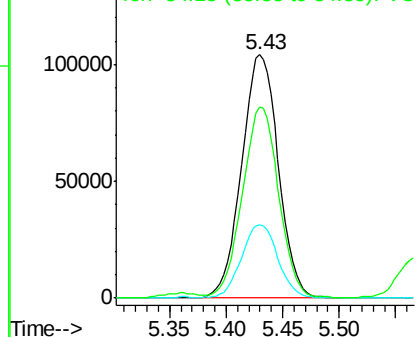


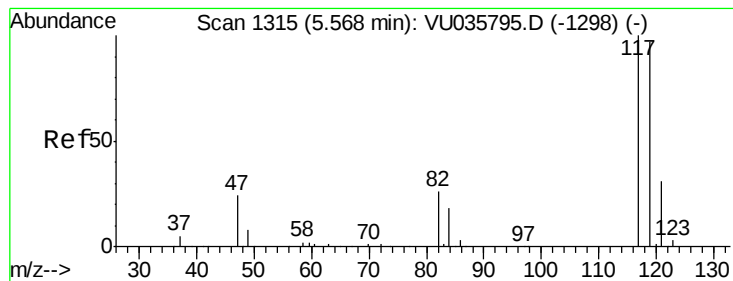
#30
 Cyclohexane
 Concen: 5.942 ug/L
 RT: 5.43 min Scan# 1272
 Delta R.T. 0.00 min
 Lab File: VU035795.D
 Acq: 21 Nov 2019 10:40

Tgt Ion: 56 Resp: 235207
 Ion Ratio Lower Upper
 56 100
 69 30.0 24.0 36.0
 84 77.6 62.1 93.1



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





#31

Carbon tetrachloride

Concen: 5.864 ug/L

RT: 5.57 min Scan# 1315

Delta R.T. 0.00 min

Lab File: VU035795.D

Acq: 21 Nov 2019 10:40

Instrument :

MSVOA_U

ClientSampleId :

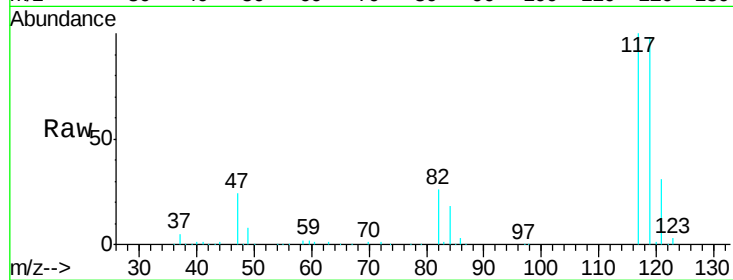
VSTD00505

Tgt Ion:117 Resp: 207149

Ion Ratio Lower Upper

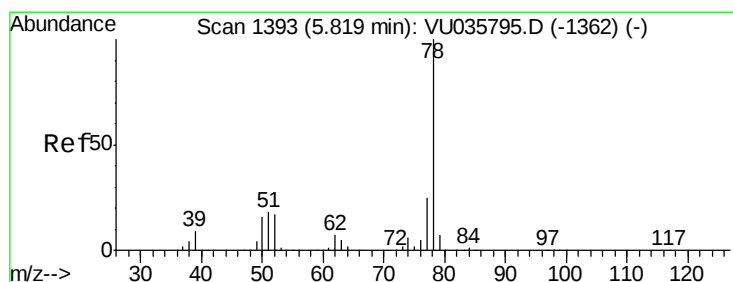
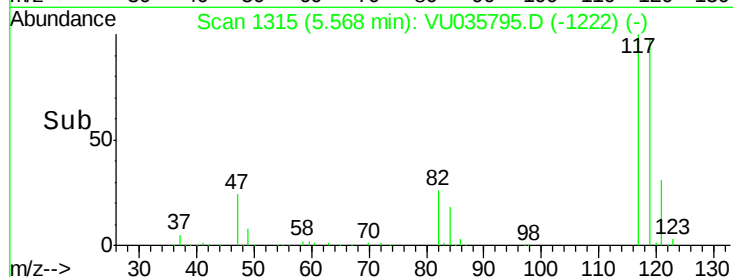
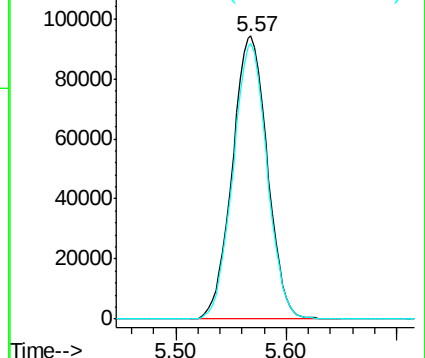
117 100

119 95.0 76.0 114.0



Abundance Ion 116.90 (116.60 to 117.60): V

Ion 118.90 (118.60 to 119.60): V



#33

Benzene

Concen: 5.991 ug/L

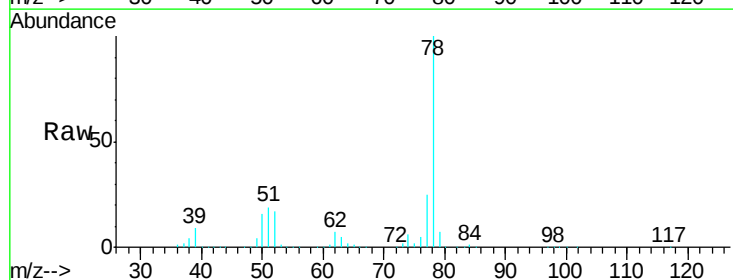
RT: 5.82 min Scan# 1393

Delta R.T. 0.00 min

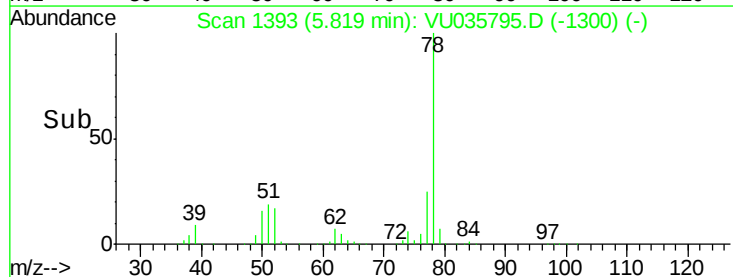
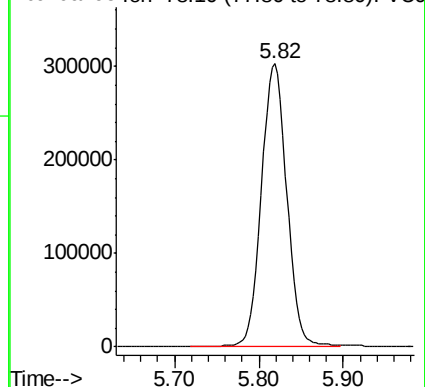
Lab File: VU035795.D

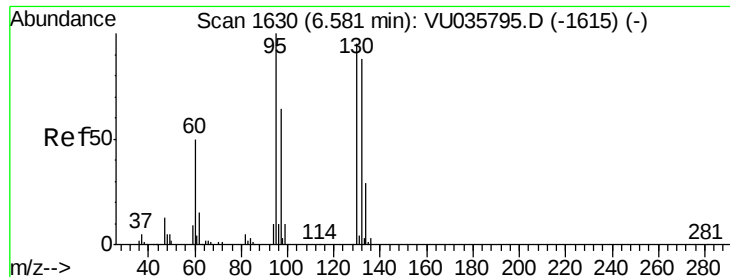
Acq: 21 Nov 2019 10:40

Tgt Ion: 78 Resp: 635270



Abundance Ion 78.10 (77.80 to 78.80): VU0

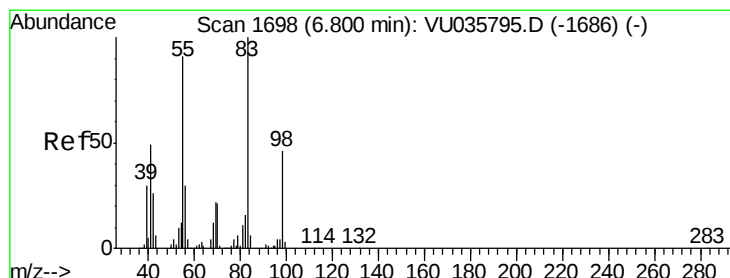
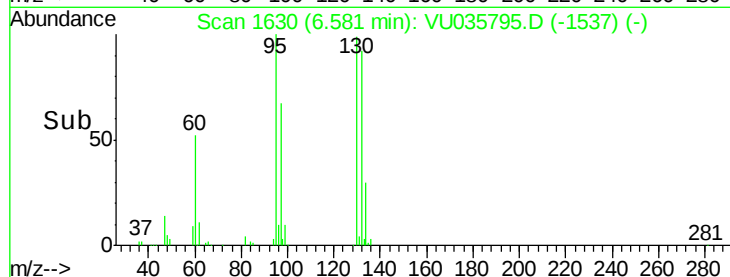
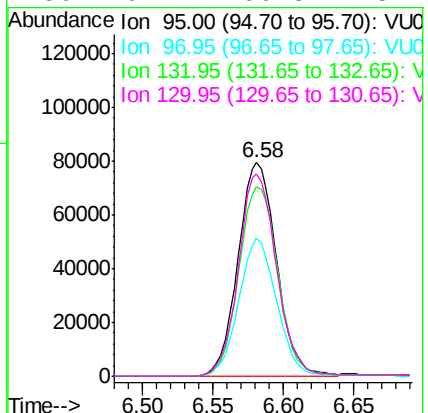
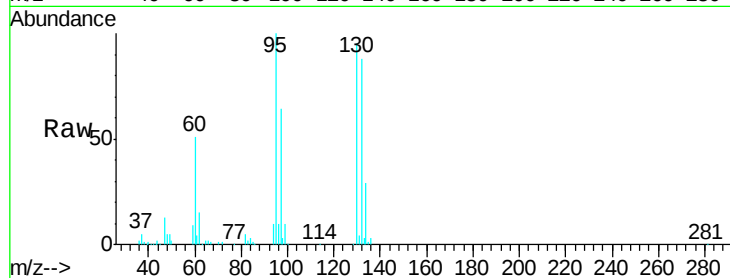




#34
 Trichloroethene
 Concen: 5.675 ug/L
 RT: 6.58 min Scan# 1630
 Delta R.T. 0.00 min
 Lab File: VU035795.D
 Acq: 21 Nov 2019 10:40

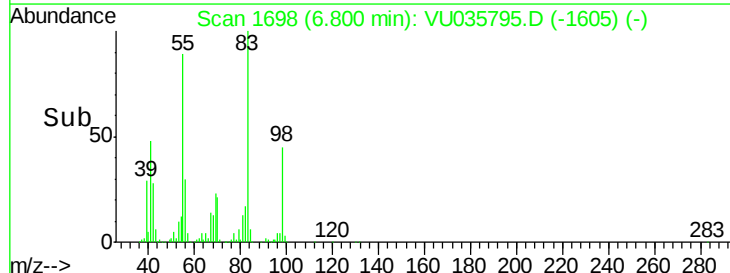
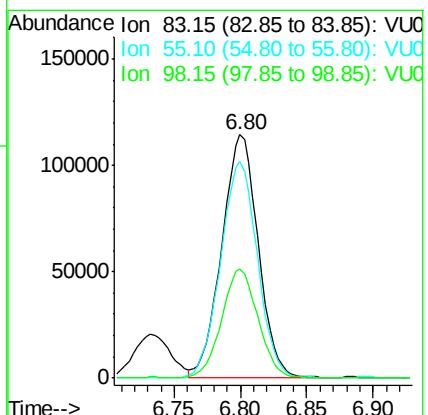
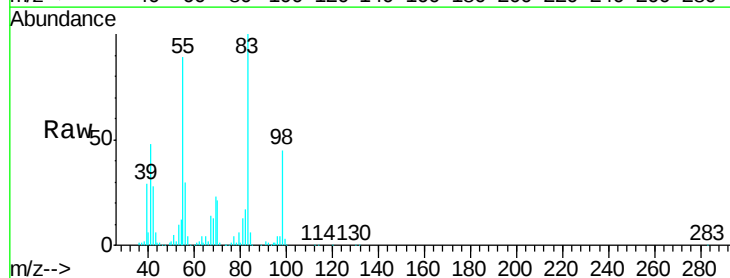
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00505

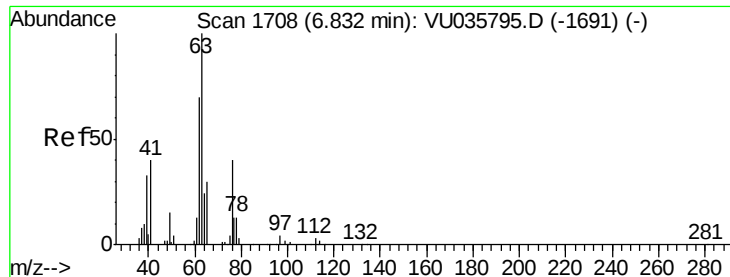
Tgt Ion: 95 Resp: 151831
 Ion Ratio Lower Upper
 95 100
 97 64.5 45.1 83.9
 132 88.4 61.9 114.9
 130 94.7 66.3 123.1



#35
 Methylcyclohexane
 Concen: 5.409 ug/L
 RT: 6.80 min Scan# 1698
 Delta R.T. 0.00 min
 Lab File: VU035795.D
 Acq: 21 Nov 2019 10:40

Tgt Ion: 83 Resp: 217020
 Ion Ratio Lower Upper
 83 100
 55 90.9 72.7 109.1
 98 45.3 36.2 54.4





#37

1,2-Dichloropropane

Concen: 6.153 ug/L

RT: 6.83 min Scan# 1708

Delta R.T. 0.00 min

Lab File: VU035795.D

Acq: 21 Nov 2019 10:40

Instrument :

MSVOA_U

ClientSampled :

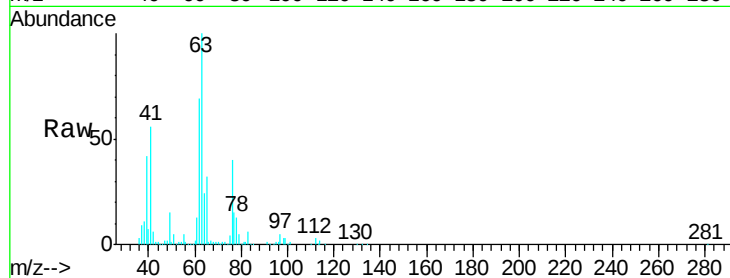
VSTD00505

Tgt Ion: 63 Resp: 174178

Ion Ratio Lower Upper

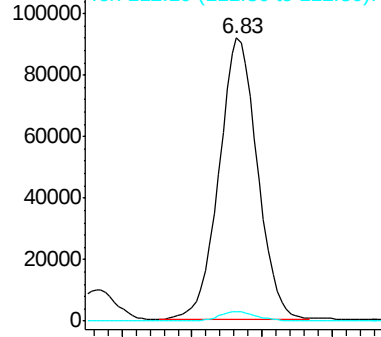
63 100

112 3.4 2.7 4.1

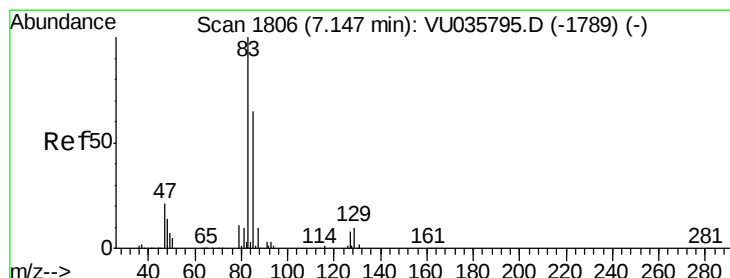
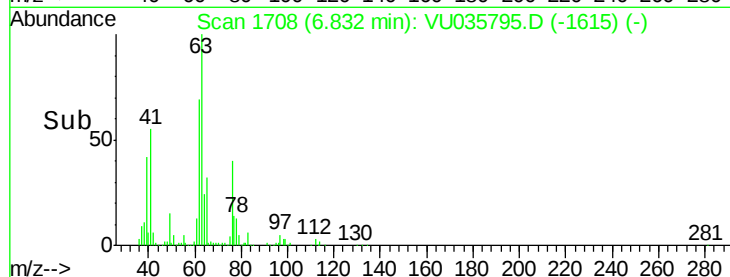


Abundance Ion 63.10 (62.80 to 63.80): VU0

Ion 112.10 (111.80 to 112.80): V



Time-->



#38

Bromodichloromethane

Concen: 6.146 ug/L

RT: 7.15 min Scan# 1806

Delta R.T. 0.00 min

Lab File: VU035795.D

Acq: 21 Nov 2019 10:40

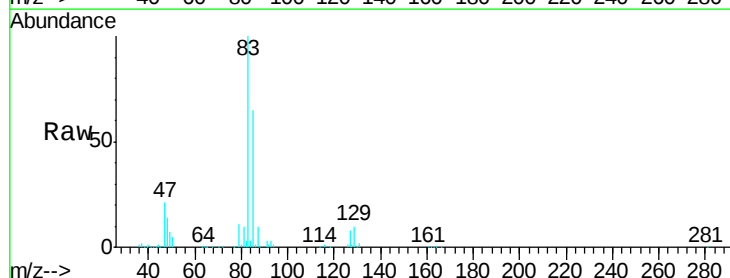
Tgt Ion: 83 Resp: 210065

Ion Ratio Lower Upper

83 100

85 65.2 45.6 84.8

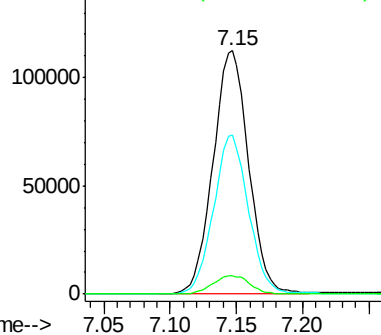
127 7.5 6.0 9.0



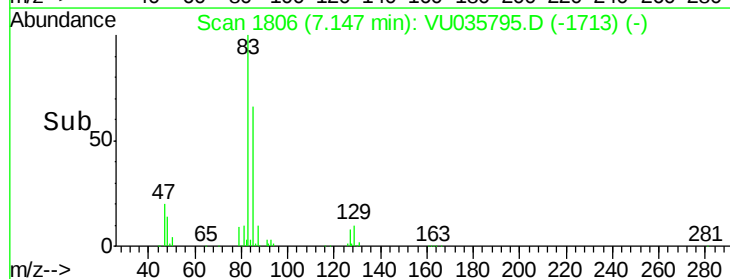
Abundance Ion 82.95 (82.65 to 83.65): VU0

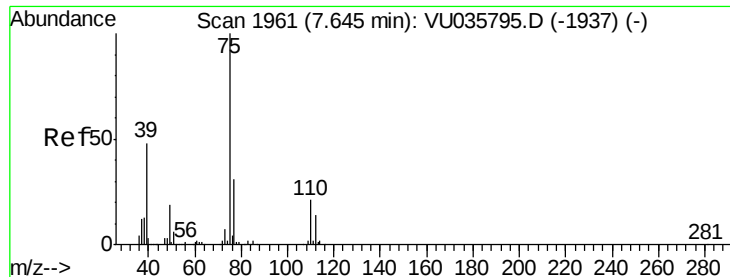
Ion 85.00 (84.70 to 85.70): VU0

Ion 126.90 (126.60 to 127.60): V



Time-->



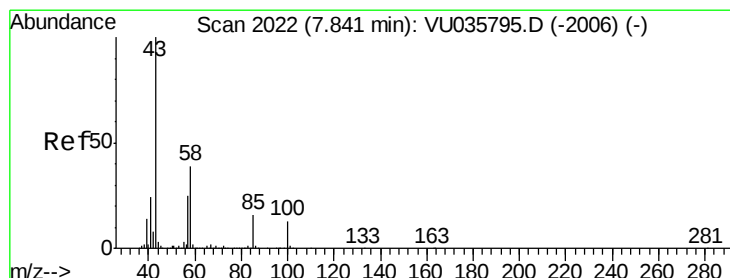
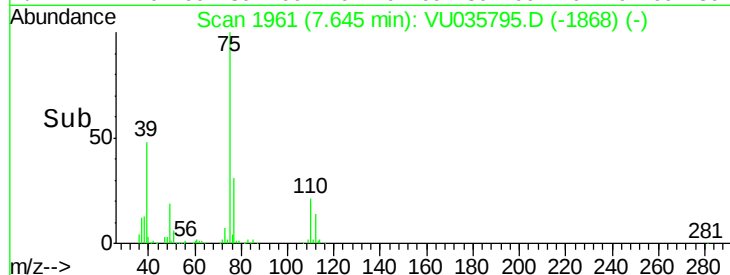
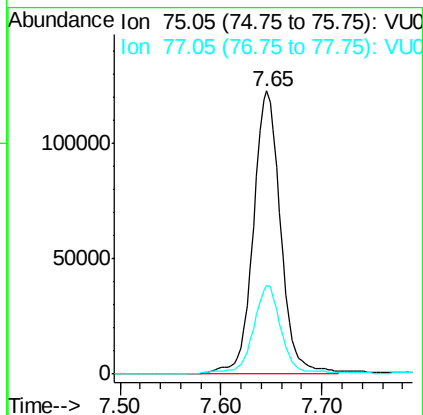
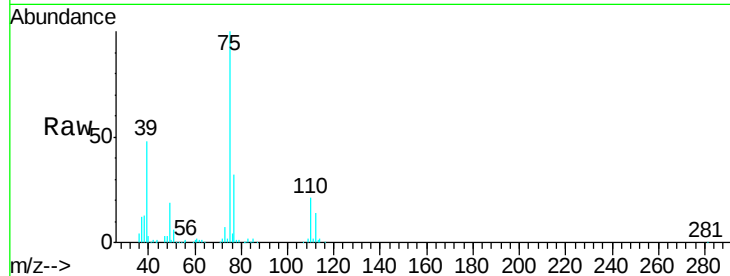


#39

cis-1,3-Dichloropropene
Concen: 5.795 ug/L
RT: 7.65 min Scan# 1961
Delta R.T. 0.00 min
Lab File: VU035795.D
Acq: 21 Nov 2019 10:40

Instrument :
MSVOA_U
ClientSampleId :
VSTD00505

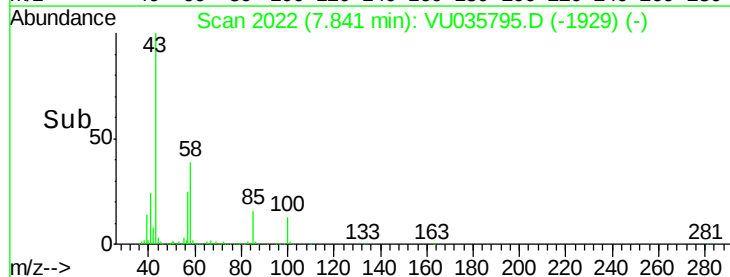
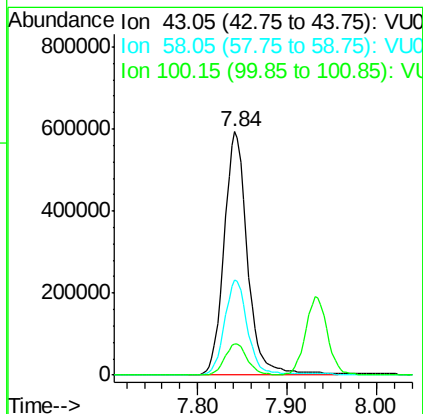
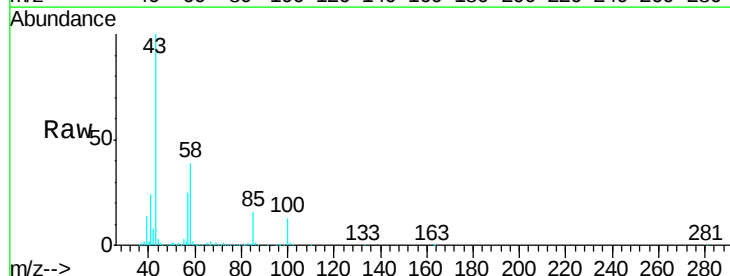
Tgt Ion: 75 Resp: 229740
Ion Ratio Lower Upper
75 100
77 31.6 22.1 41.1

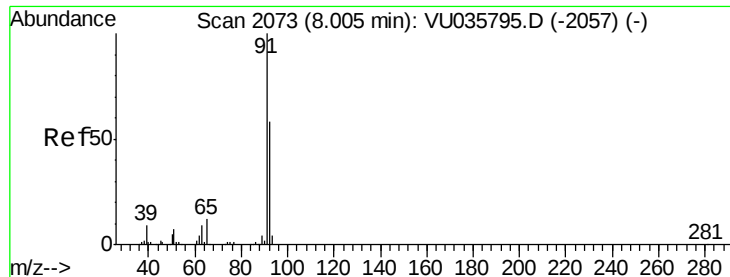


#40

4-Methyl-2-pentanone
Concen: 65.475 ug/L
RT: 7.84 min Scan# 2022
Delta R.T. 0.00 min
Lab File: VU035795.D
Acq: 21 Nov 2019 10:40

Tgt Ion: 43 Resp: 1082499
Ion Ratio Lower Upper
43 100
58 38.5 30.8 46.2
100 12.5 10.0 15.0





#42

Toluene

Concen: 6.047 ug/L

RT: 8.01 min Scan# 2073

Delta R.T. 0.00 min

Lab File: VU035795.D

Acq: 21 Nov 2019 10:40

Instrument :

MSVOA_U

ClientSampleId :

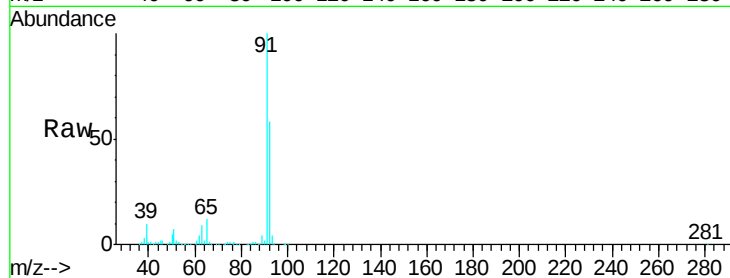
VSTD00505

Tgt Ion: 91 Resp: 671764

Ion Ratio Lower Upper

91 100

92 57.7 40.4 75.0



Abundance Ion 91.15 (90.85 to 91.85): VU035795.D (-2057) (-)

Ion 92.15 (91.85 to 92.85): VU035795.D (-2057) (-)

8.01

400000

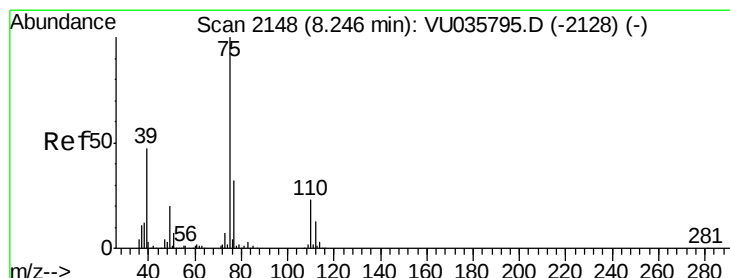
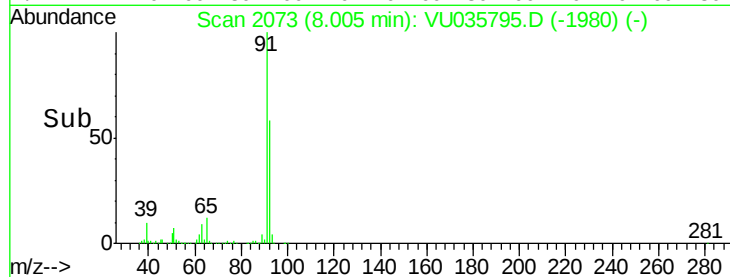
300000

200000

100000

0

Time-->



#44

trans-1,3-Dichloropropene

Concen: 6.054 ug/L

RT: 8.25 min Scan# 2148

Delta R.T. 0.00 min

Lab File: VU035795.D

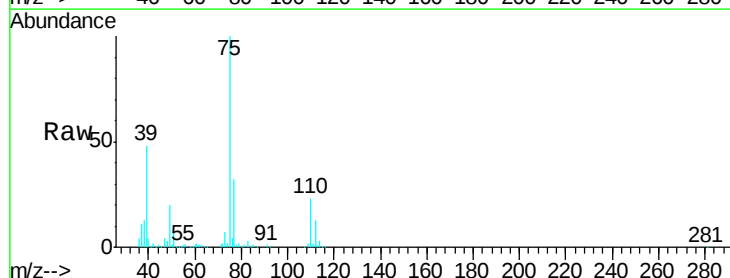
Acq: 21 Nov 2019 10:40

Tgt Ion: 75 Resp: 193101

Ion Ratio Lower Upper

75 100

77 32.4 22.7 42.1



Abundance Ion 75.05 (74.75 to 75.75): VU035795.D (-2128) (-)

Ion 77.05 (76.75 to 77.75): VU035795.D (-2128) (-)

8.25

120000

100000

80000

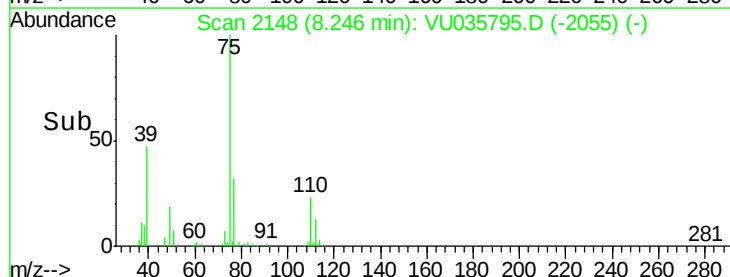
60000

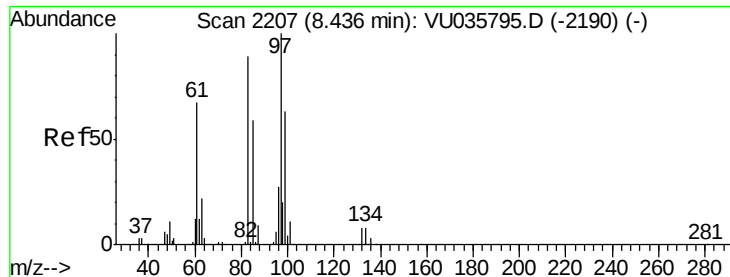
40000

20000

0

Time-->





#45

1,1,2-Trichloroethane

Concen: 5.826 ug/L

RT: 8.44 min Scan# 2207

Delta R.T. 0.00 min

Lab File: VU035795.D

Acq: 21 Nov 2019 10:40

Instrument :

MSVOA_U

ClientSampleId :

VSTD00505

Tgt Ion: 97 Resp: 115571

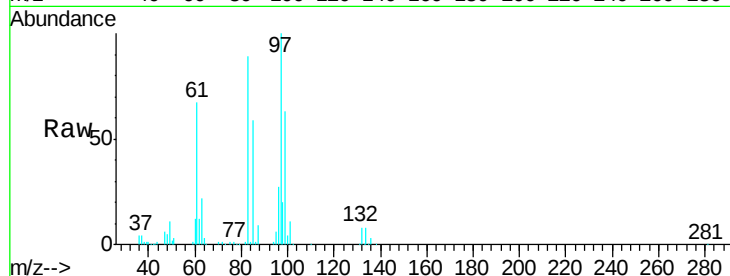
Ion Ratio Lower Upper

97 100

99 63.1 44.2 82.0

83 88.9 62.2 115.6

85 59.3 41.5 77.1

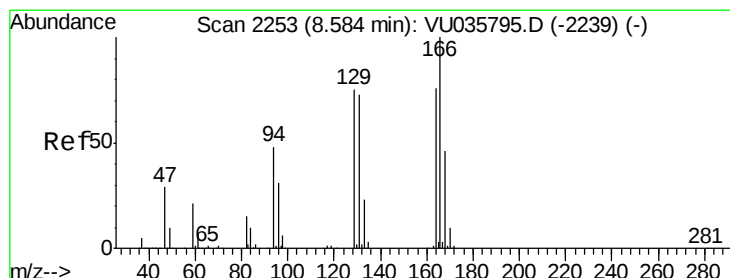
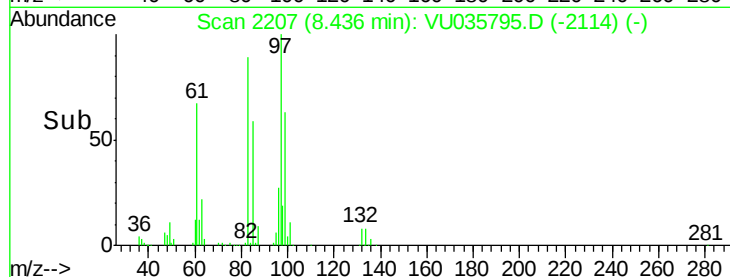
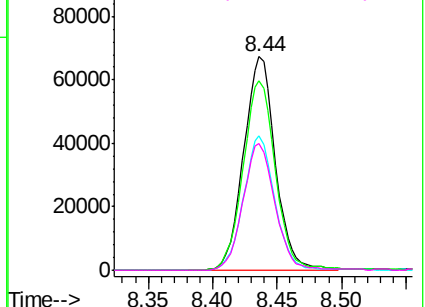


Abundance Ion 96.95 (96.65 to 97.65): VU0

Ion 99.05 (98.75 to 99.75): VU0

Ion 82.95 (82.65 to 83.65): VU0

Ion 85.00 (84.70 to 85.70): VU0



#47

Tetrachloroethene

Concen: 5.087 ug/L

RT: 8.58 min Scan# 2253

Delta R.T. 0.00 min

Lab File: VU035795.D

Acq: 21 Nov 2019 10:40

Tgt Ion: 164 Resp: 114582

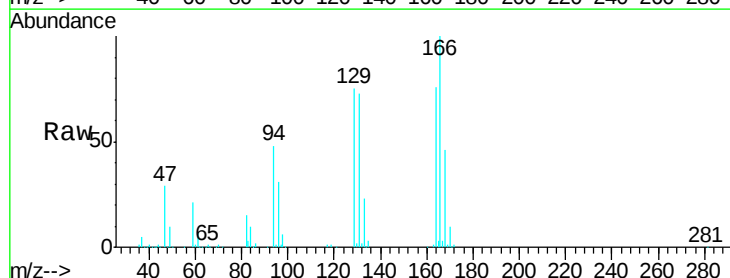
Ion Ratio Lower Upper

164 100

129 98.3 68.8 127.8

131 96.1 67.3 124.9

166 130.9 91.6 170.2

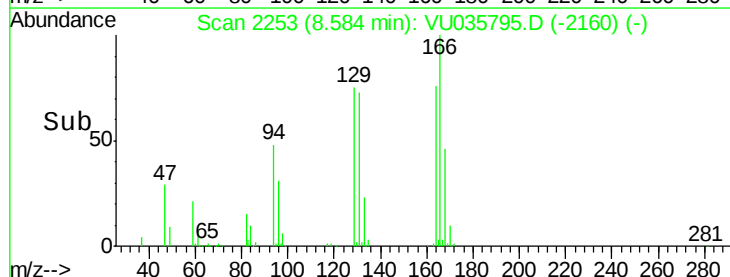
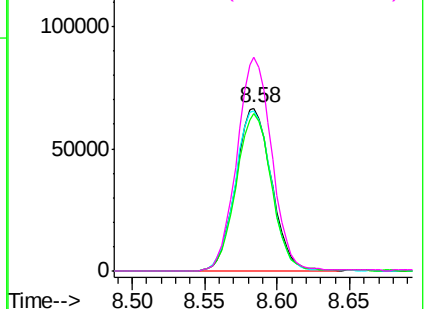


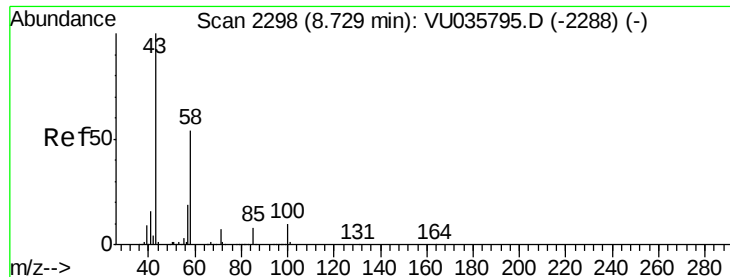
Abundance Ion 163.90 (163.60 to 164.60): V

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

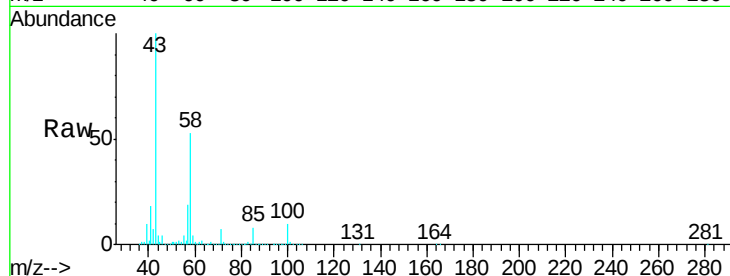




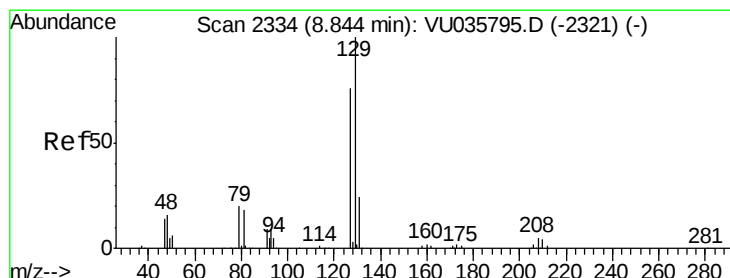
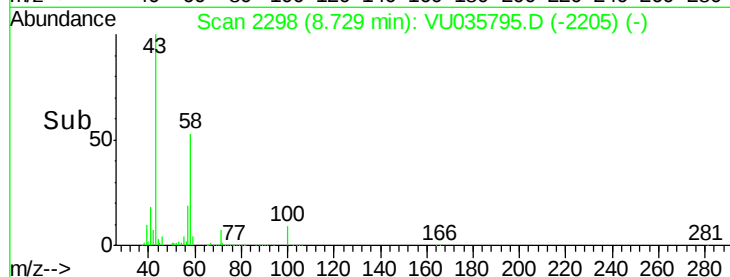
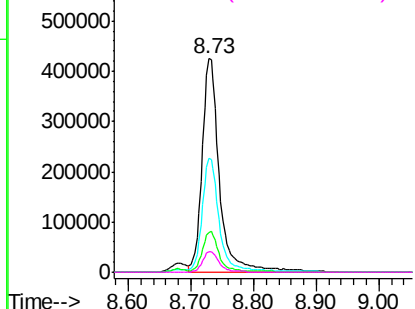
#48
2-Hexanone
Concen: 69.308 ug/L
RT: 8.73 min Scan# 2298
Delta R.T. 0.00 min
Lab File: VU035795.D
Acq: 21 Nov 2019 10:40

Instrument :
MSVOA_U
ClientSampleId :
VSTD00505

Tgt Ion:	43	Resp:	823609
Ion	Ratio	Lower	Upper
43	100		
58	49.8	39.8	59.8
57	17.5	14.0	21.0
100	9.0	7.2	10.8

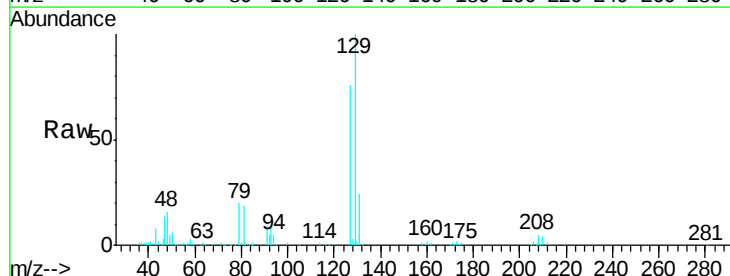


Abundance Ion 43.05 (42.75 to 43.75): VU0
Ion 58.05 (57.75 to 58.75): VU0
Ion 57.20 (56.90 to 57.90): VU0
Ion 100.15 (99.85 to 100.85): VU0

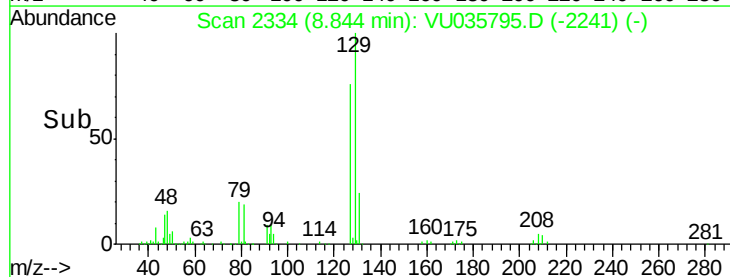
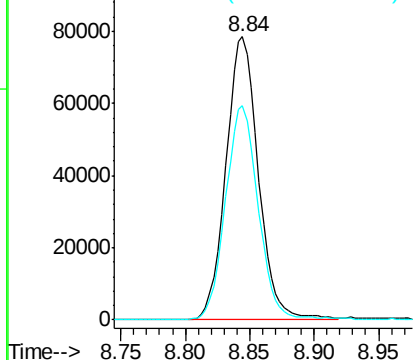


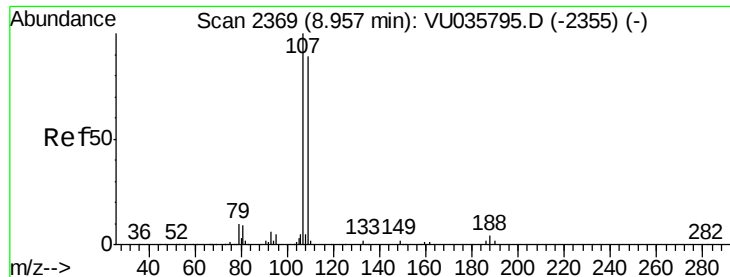
#49
Dibromochloromethane
Concen: 5.663 ug/L
RT: 8.84 min Scan# 2334
Delta R.T. 0.00 min
Lab File: VU035795.D
Acq: 21 Nov 2019 10:40

Tgt Ion:	129	Resp:	137281
Ion	Ratio	Lower	Upper
129	100		
127	75.8	53.1	98.5



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

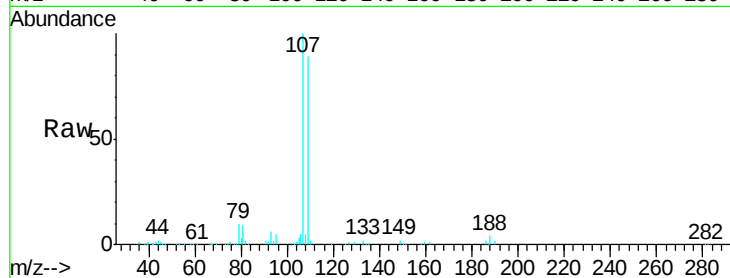




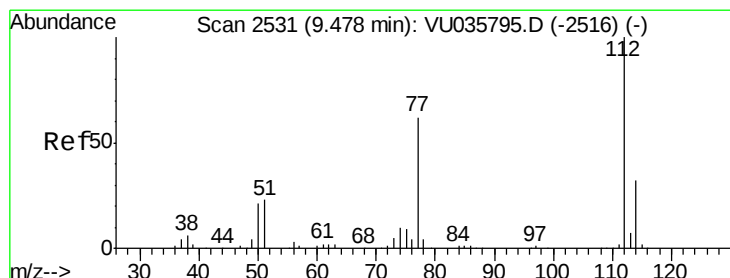
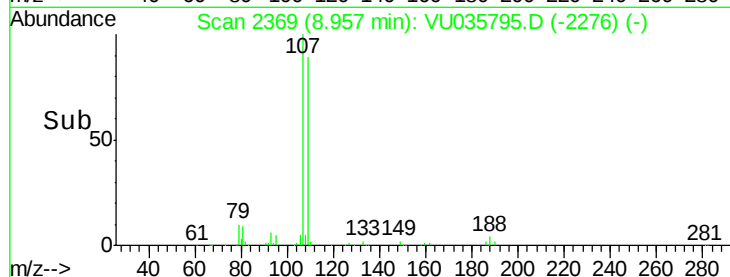
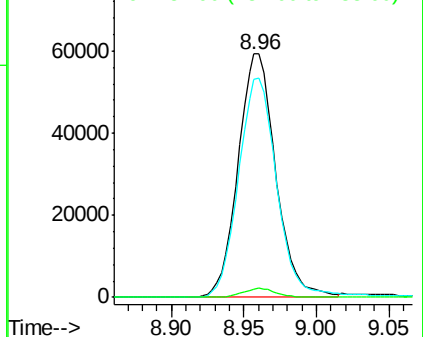
#50
1,2-Dibromoethane
Concen: 5.731 ug/L
RT: 8.96 min Scan# 2369
Delta R.T. 0.00 min
Lab File: VU035795.D
Acq: 21 Nov 2019 10:40

Instrument :
MSVOA_U
ClientSampleId :
VSTD00505

Tgt Ion:107 Resp: 107234
Ion Ratio Lower Upper
107 100
109 89.5 62.6 116.3
188 3.5 2.8 4.2

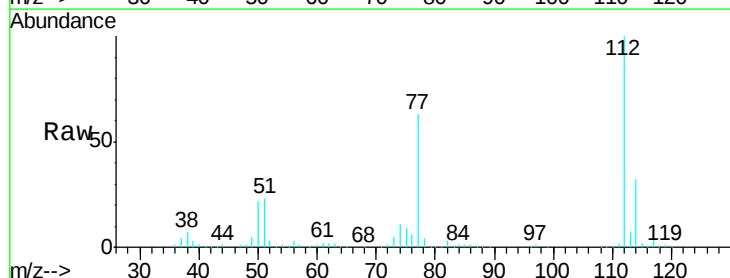


Abundance Ion 106.95 (106.65 to 107.65): V
Ion 109.00 (108.70 to 109.70): V
Ion 187.90 (187.60 to 188.60): V

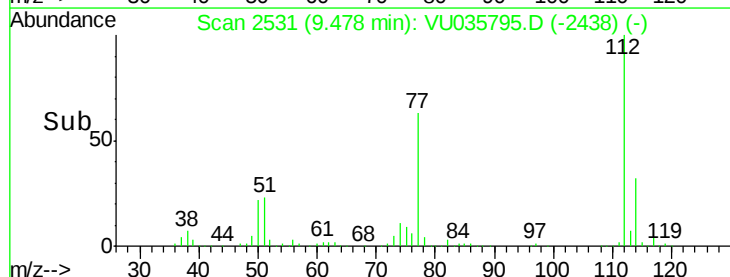
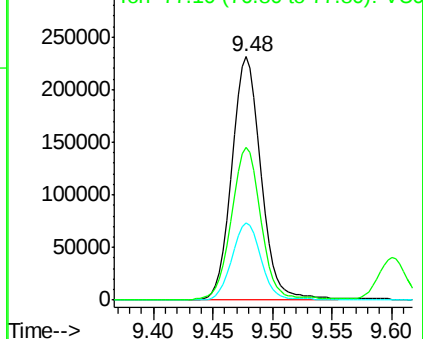


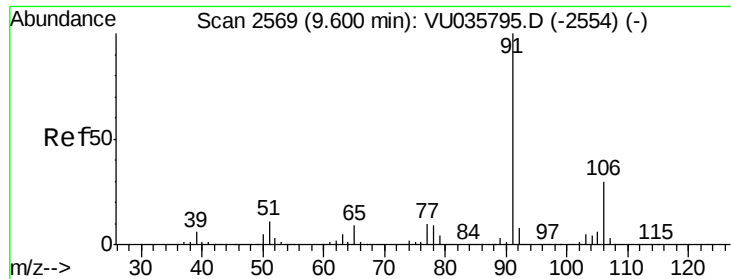
#51
Chlorobenzene
Concen: 5.538 ug/L
RT: 9.48 min Scan# 2531
Delta R.T. 0.00 min
Lab File: VU035795.D
Acq: 21 Nov 2019 10:40

Tgt Ion:112 Resp: 394398
Ion Ratio Lower Upper
112 100
114 31.7 22.2 41.2
77 62.6 50.1 75.1



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: 5.746 ug/L

RT: 9.60 min Scan# 2569

Delta R.T. 0.00 min

Lab File: VU035795.D

Acq: 21 Nov 2019 10:40

Instrument :

MSVOA_U

ClientSampleId :

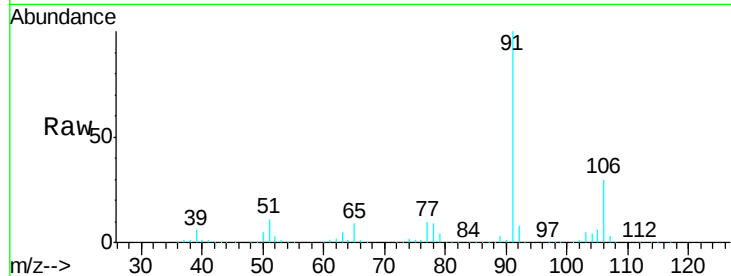
VSTD00505

Tgt Ion: 91 Resp: 665123

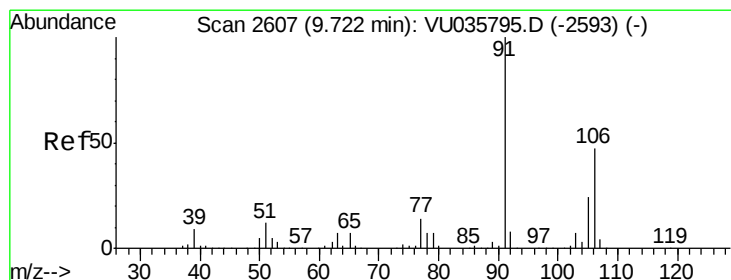
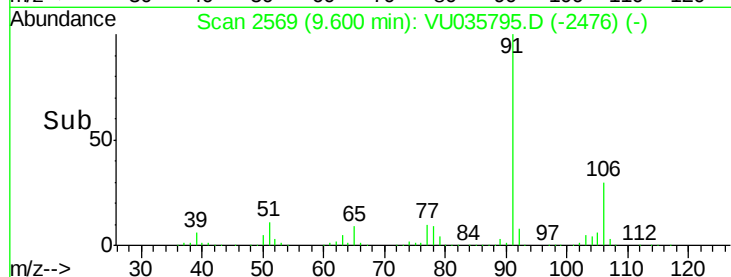
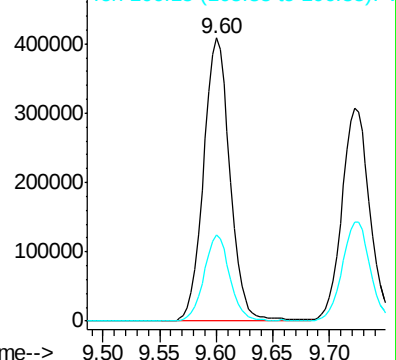
Ion Ratio Lower Upper

91 100

106 30.3 21.2 39.4



Abundance Ion 91.15 (90.85 to 91.85): VU035795.D (-2554) (-)



#53

m,p-Xylene

Concen: 5.652 ug/L

RT: 9.72 min Scan# 2607

Delta R.T. 0.00 min

Lab File: VU035795.D

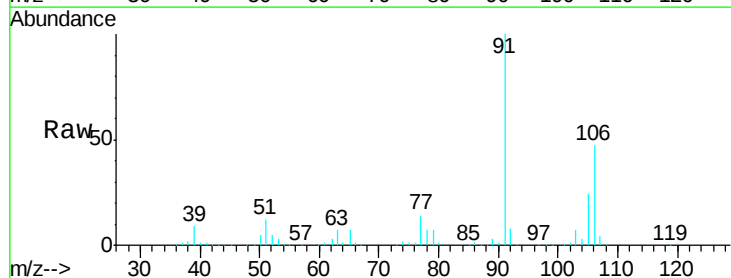
Acq: 21 Nov 2019 10:40

Tgt Ion: 106 Resp: 244851

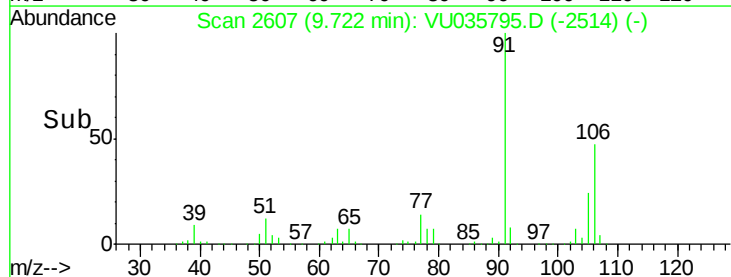
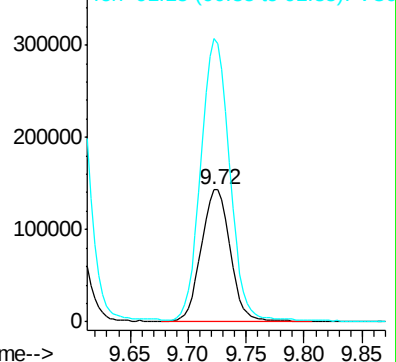
Ion Ratio Lower Upper

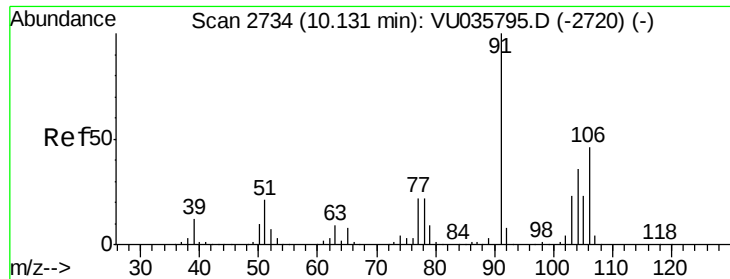
106 100

91 214.2 149.9 278.5



Abundance Ion 106.15 (105.85 to 106.85): VU035795.D (-2593) (-)

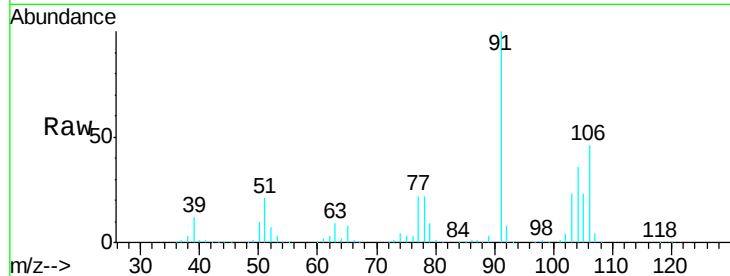




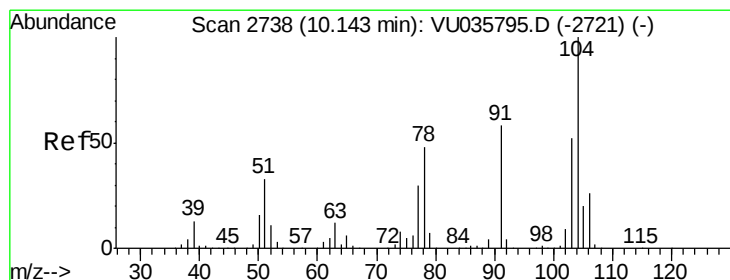
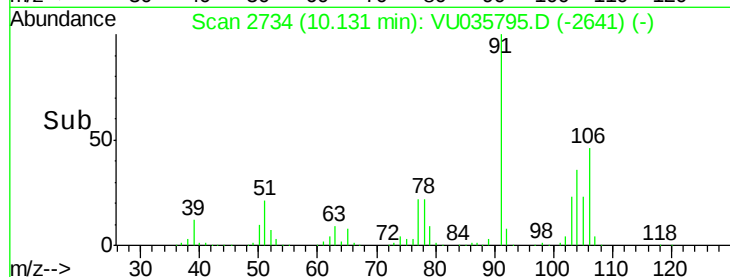
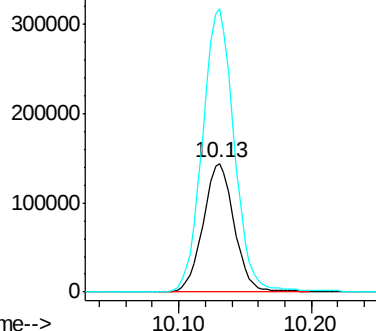
#54
o-Xylene
Concen: 5.632 ug/L
RT: 10.13 min Scan# 2734
Delta R.T. 0.00 min
Lab File: VU035795.D
Acq: 21 Nov 2019 10:40

Instrument :
MSVOA_U
ClientSampleId :
VSTD00505

Tgt Ion:106 Resp: 235171
Ion Ratio Lower Upper
106 100
91 219.4 153.6 285.2

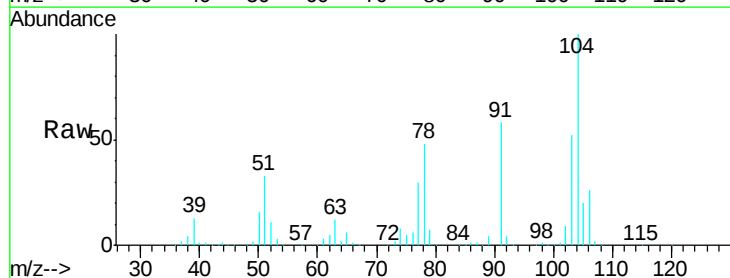


Abundance Ion 106.15 (105.85 to 106.85): V
Ion 91.15 (90.85 to 91.85): VU0

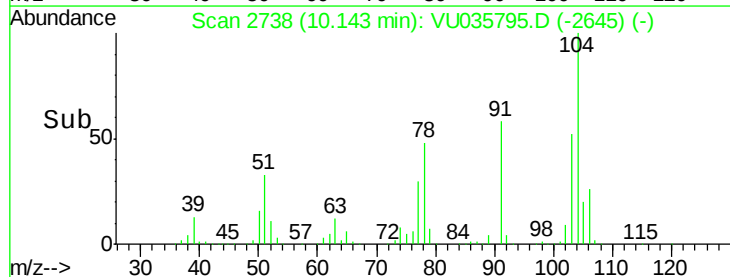
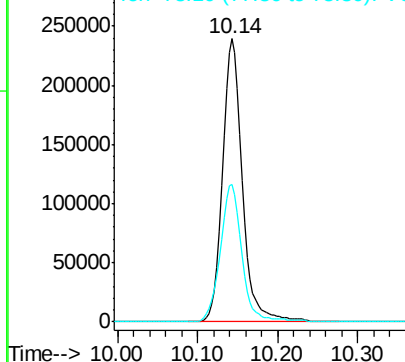


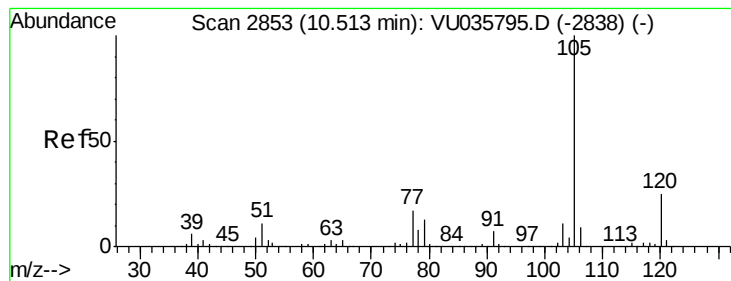
#55
Styrene
Concen: 5.918 ug/L
RT: 10.14 min Scan# 2738
Delta R.T. 0.00 min
Lab File: VU035795.D
Acq: 21 Nov 2019 10:40

Tgt Ion:104 Resp: 412319
Ion Ratio Lower Upper
104 100
78 48.4 33.9 62.9



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





#56

Isopropylbenzene

Concen: 5.714 ug/L

RT: 10.51 min Scan# 2853

Delta R.T. 0.00 min

Lab File: VU035795.D

Acq: 21 Nov 2019 10:40

Instrument :

MSVOA_U

ClientSampleId :

VSTD00505

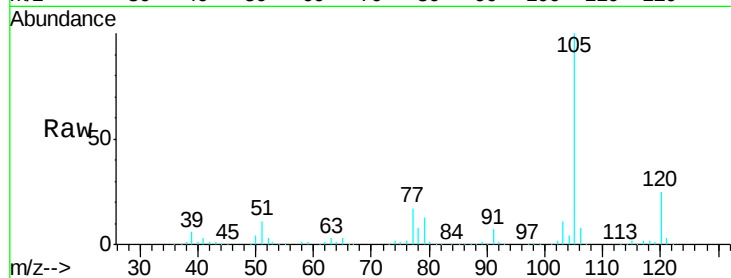
Tgt Ion: 105 Resp: 632859

Ion Ratio Lower Upper

105 100

120 25.2 20.2 30.2

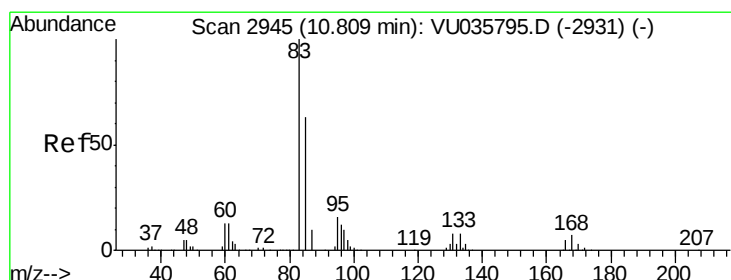
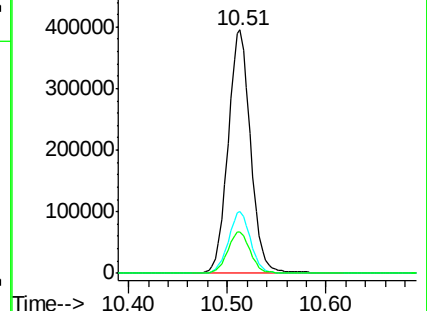
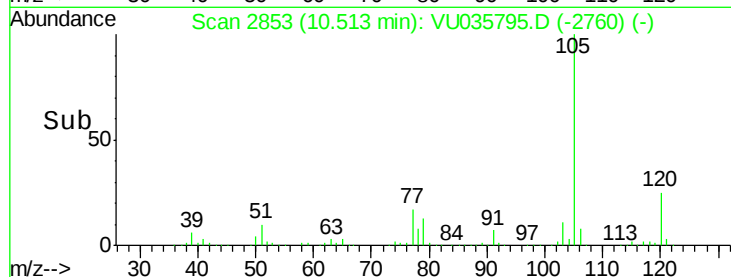
77 17.1 13.7 20.5



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.10 (119.80 to 120.80): V

Ion 77.10 (76.80 to 77.80): V



#58

1,1,2,2-Tetrachloroethane

Concen: 5.887 ug/L

RT: 10.81 min Scan# 2945

Delta R.T. 0.00 min

Lab File: VU035795.D

Acq: 21 Nov 2019 10:40

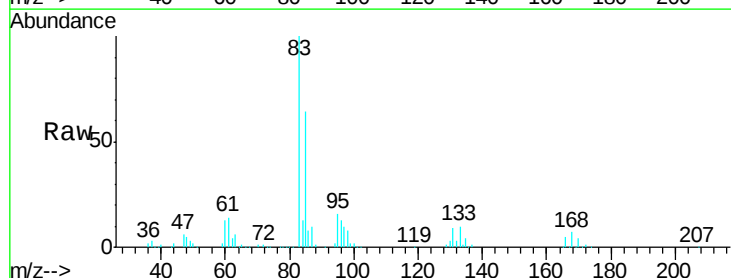
Tgt Ion: 83 Resp: 153670

Ion Ratio Lower Upper

83 100

85 63.7 44.6 82.8

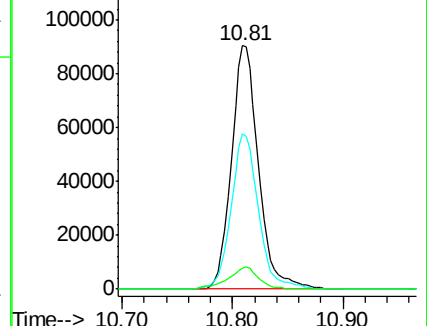
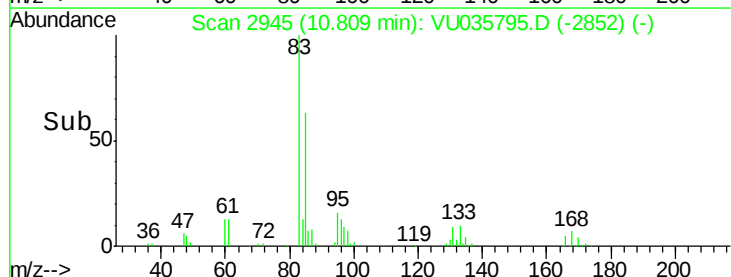
131 8.6 6.9 10.3

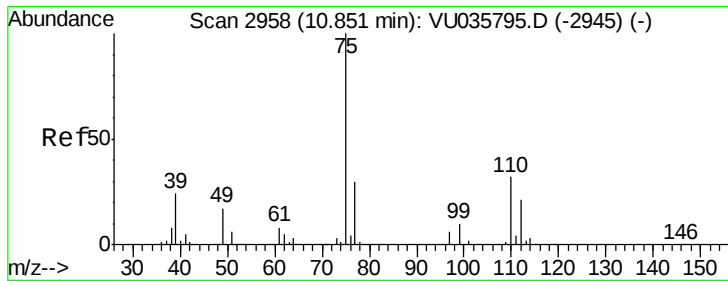


Abundance Ion 82.95 (82.65 to 83.65): VU

Ion 85.00 (84.70 to 85.70): VU

Ion 130.95 (130.65 to 131.65): V

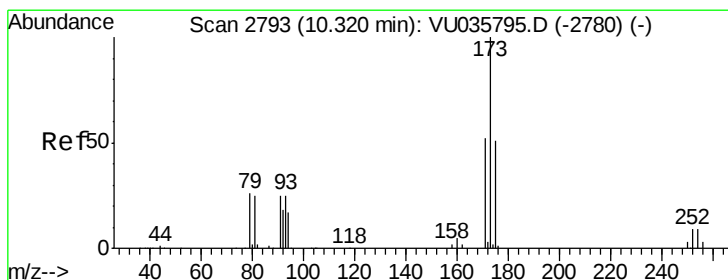
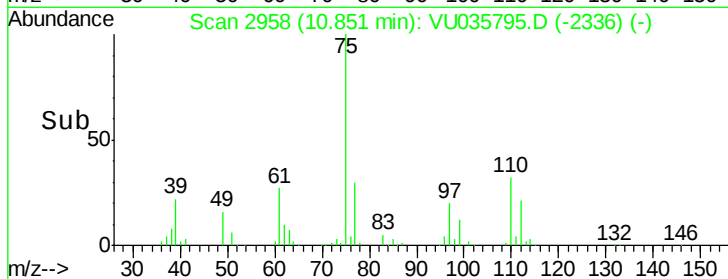
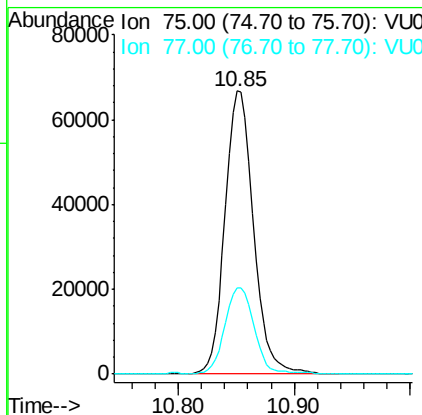
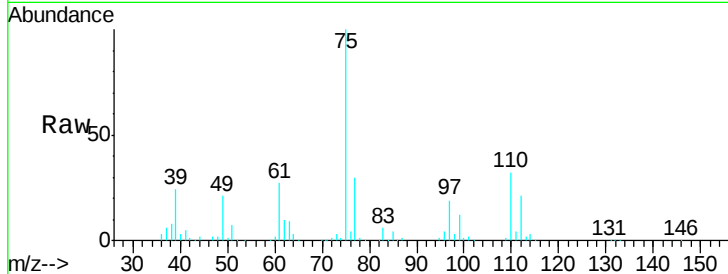




#59
1,2,3-Trichloropropane
Concen: 6.096 ug/L
RT: 10.85 min Scan# 2958
Delta R.T. 0.00 min
Lab File: VU035795.D
Acq: 21 Nov 2019 10:40

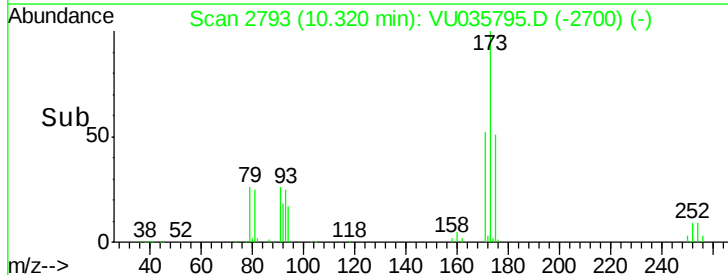
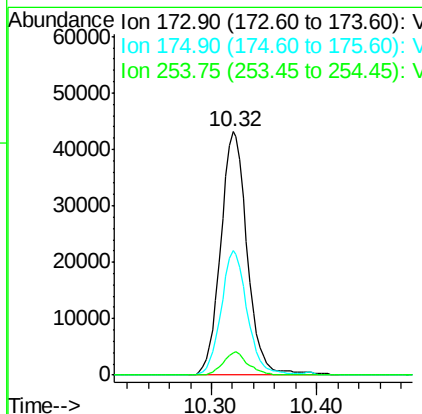
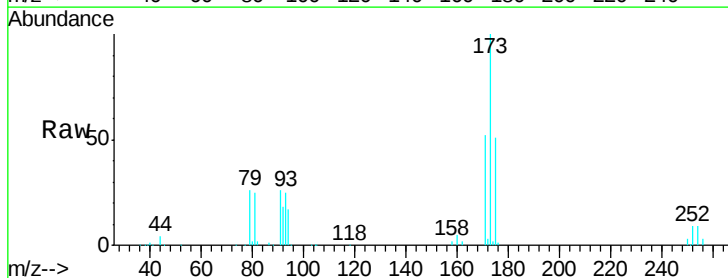
Instrument :
MSVOA_U
ClientSampleId :
VSTD00505

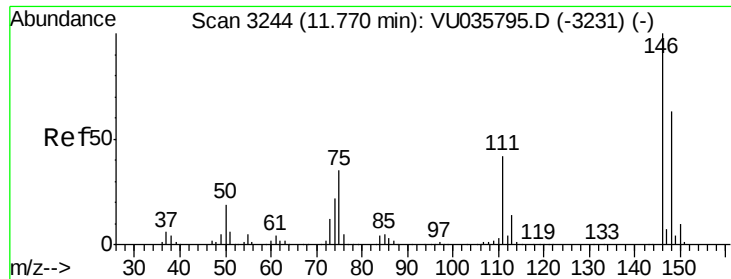
Tgt Ion: 75 Resp: 113489
Ion Ratio Lower Upper
75 100
77 31.8 25.4 38.2



#61
Bromoform
Concen: 5.010 ug/L
RT: 10.32 min Scan# 2793
Delta R.T. 0.00 min
Lab File: VU035795.D
Acq: 21 Nov 2019 10:40

Tgt Ion: 173 Resp: 75180
Ion Ratio Lower Upper
173 100
175 50.1 40.1 60.1
254 8.9 7.1 10.7

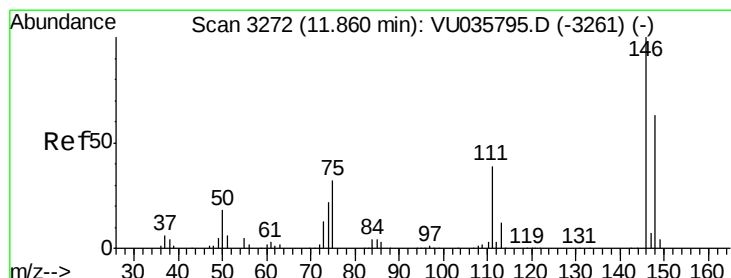
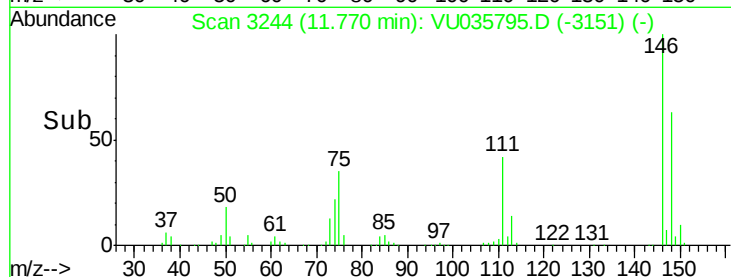
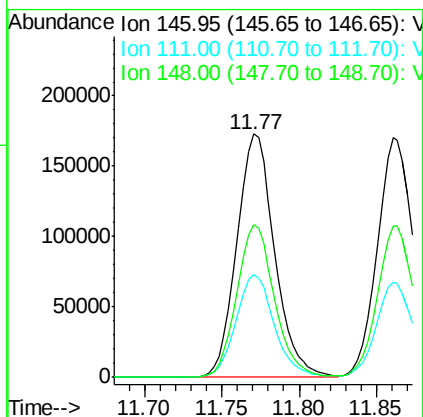
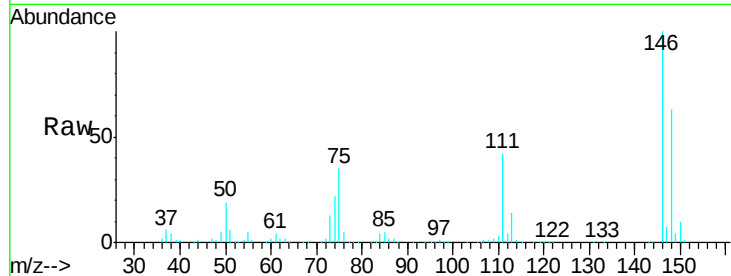




#62
 1,3-Dichlorobenzene
 Concen: 5.266 ug/L
 RT: 11.77 min Scan# 3244
 Delta R.T. 0.00 min
 Lab File: VU035795.D
 Acq: 21 Nov 2019 10:40

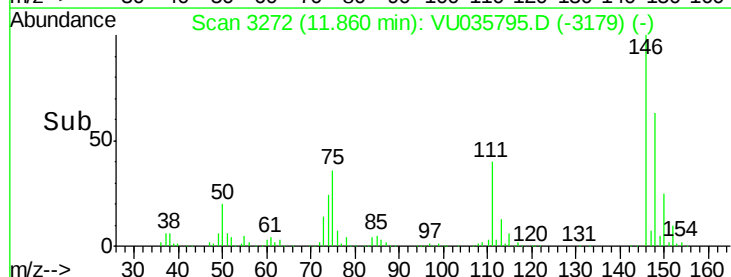
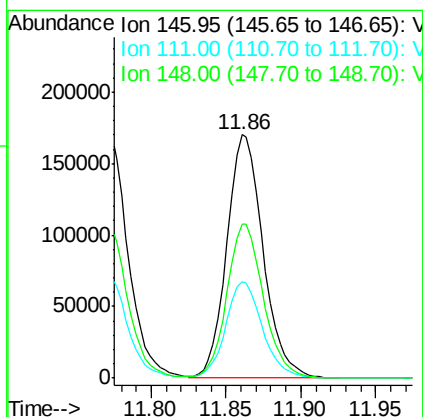
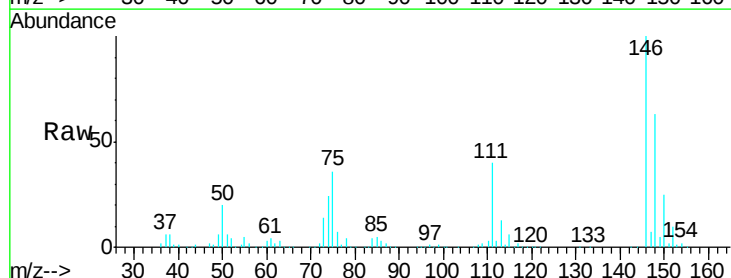
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00505

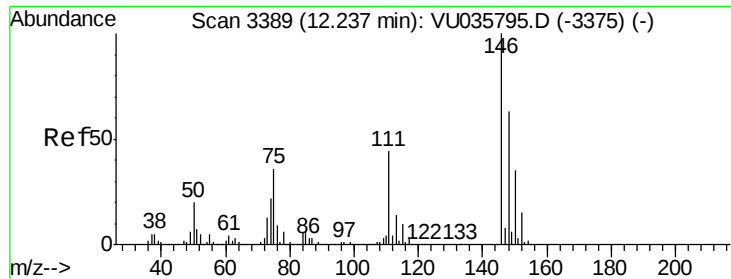
Tgt Ion:146 Resp: 294381
 Ion Ratio Lower Upper
 146 100
 111 42.1 29.5 54.7
 148 63.0 44.1 81.9



#63
 1,4-Dichlorobenzene
 Concen: 5.336 ug/L
 RT: 11.86 min Scan# 3272
 Delta R.T. 0.00 min
 Lab File: VU035795.D
 Acq: 21 Nov 2019 10:40

Tgt Ion:146 Resp: 287576
 Ion Ratio Lower Upper
 146 100
 111 39.8 27.9 51.7
 148 63.2 44.2 82.2

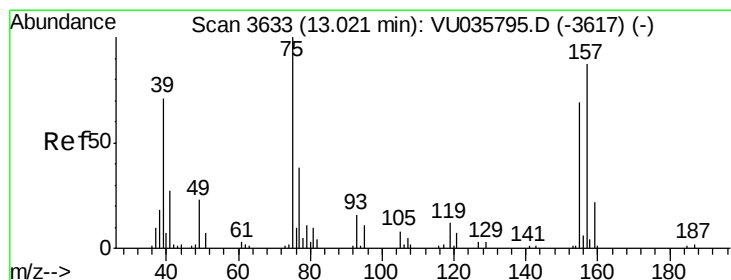
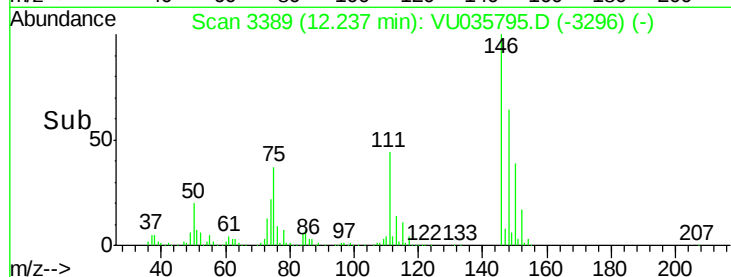
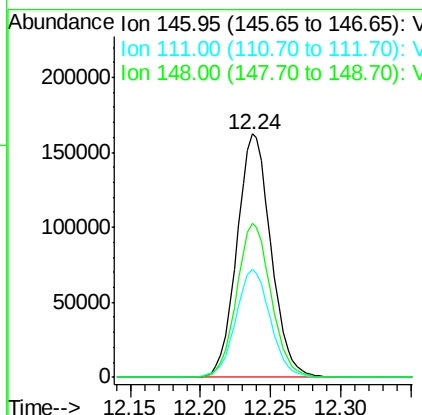
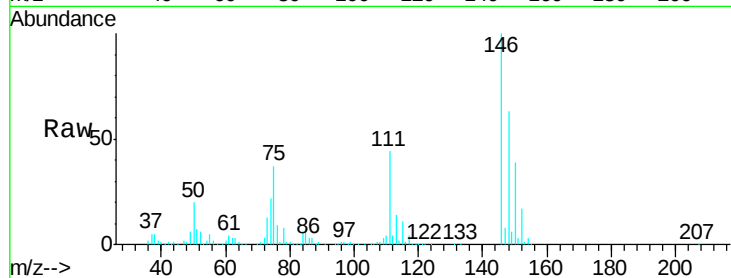




#65
 1,2-Dichlorobenzene
 Concen: 5.245 ug/L
 RT: 12.24 min Scan# 3389
 Delta R.T. 0.00 min
 Lab File: VU035795.D
 Acq: 21 Nov 2019 10:40

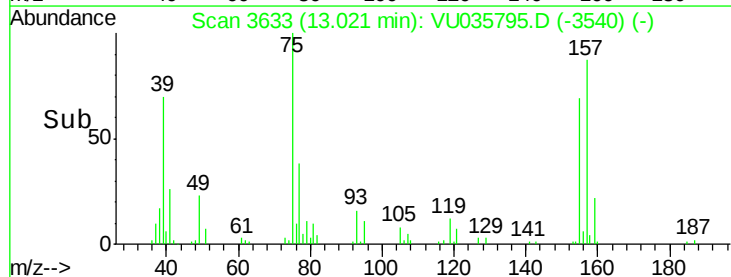
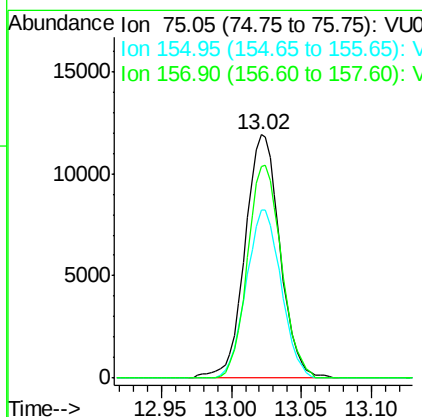
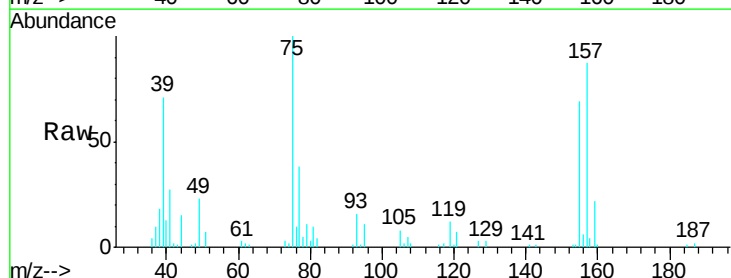
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00505

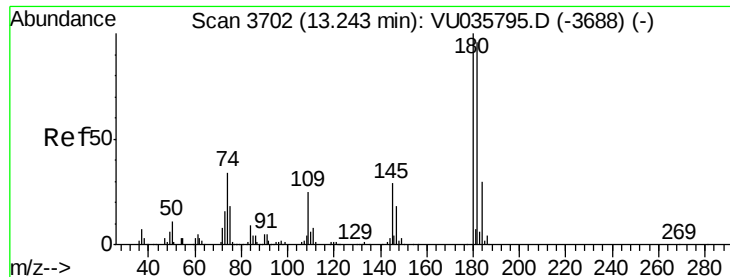
Tgt Ion: 146 Resp: 274134
 Ion Ratio Lower Upper
 146 100
 111 44.2 35.4 53.0
 148 63.5 50.8 76.2



#66
 1,2-Dibromo-3-chloropropane
 Concen: 5.948 ug/L
 RT: 13.02 min Scan# 3633
 Delta R.T. 0.00 min
 Lab File: VU035795.D
 Acq: 21 Nov 2019 10:40

Tgt Ion: 75 Resp: 20671
 Ion Ratio Lower Upper
 75 100
 155 69.3 55.4 83.2
 157 86.8 69.4 104.2

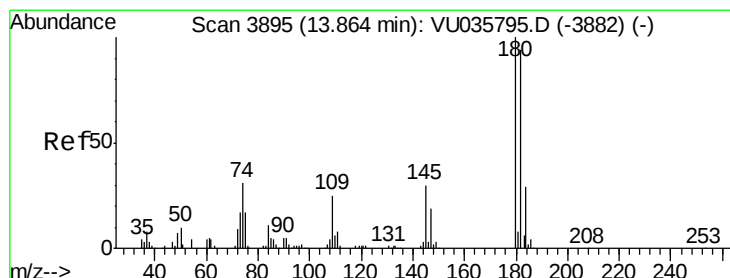
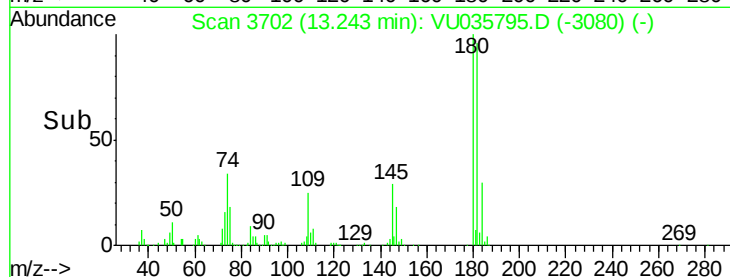
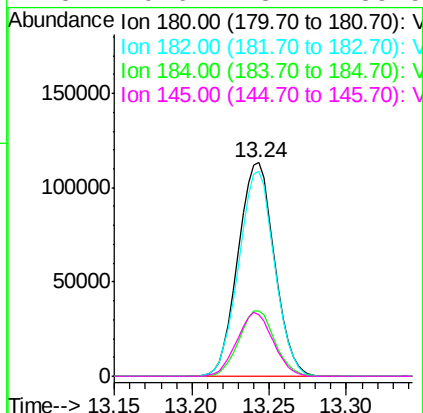
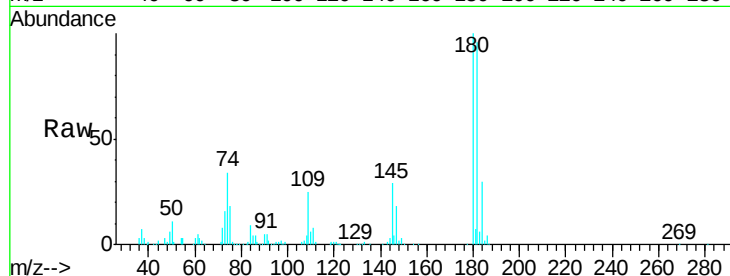




#67
 1,3,5-Trichlorobenzene
 Concen: 5.226 ug/L
 RT: 13.24 min Scan# 3702
 Delta R.T. 0.00 min
 Lab File: VU035795.D
 Acq: 21 Nov 2019 10:40

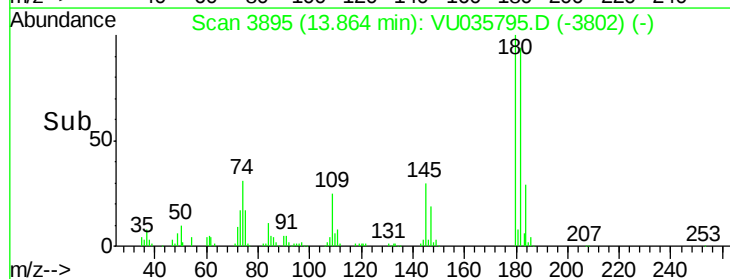
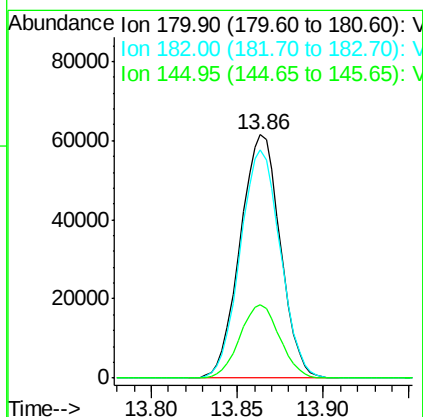
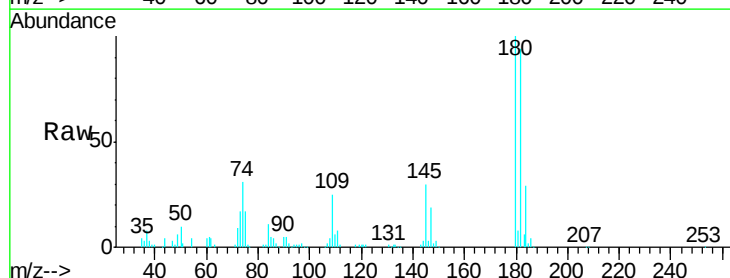
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00505

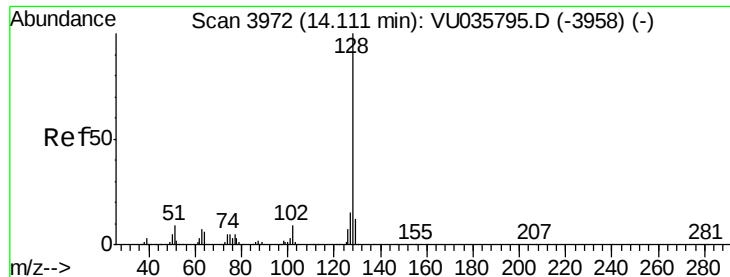
Tgt Ion	Ratio	Lower	Upper
180	100		
182	94.5	75.6	113.4
184	30.1	24.1	36.1
145	29.6	23.7	35.5



#68
 1,2,4-trichlorobenzene
 Concen: 4.653 ug/L
 RT: 13.86 min Scan# 3895
 Delta R.T. 0.00 min
 Lab File: VU035795.D
 Acq: 21 Nov 2019 10:40

Tgt Ion	Ratio	Lower	Upper
180	100		
182	93.9	75.1	112.7
145	30.0	24.0	36.0





#69

Naphthalene

Concen: 4.369 ug/L

RT: 14.11 min Scan# 3972

Delta R.T. 0.00 min

Lab File: VU035795.D

Acq: 21 Nov 2019 10:40

Instrument :

MSVOA_U

ClientSampleId :

VSTD00505

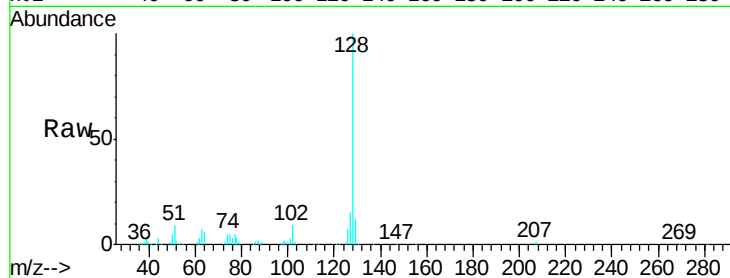
Tgt Ion:128 Resp: 115997

Ion Ratio Lower Upper

128 100

129 11.2 9.0 13.4

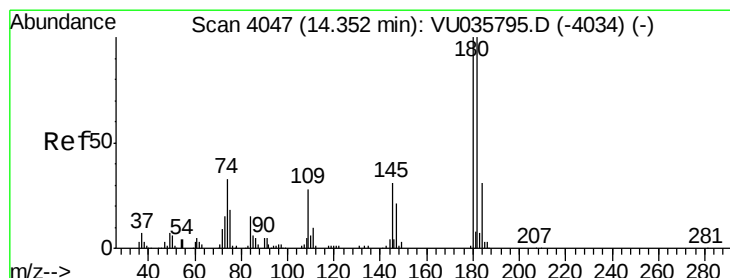
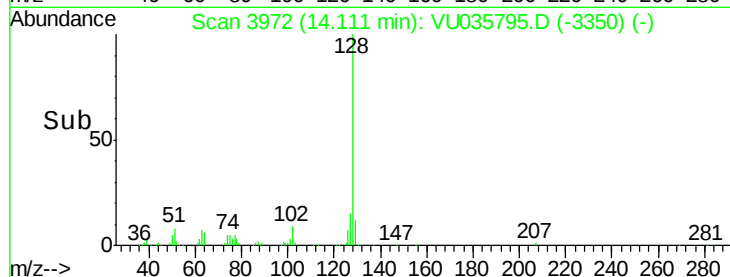
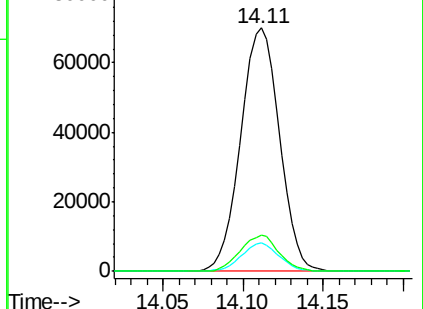
127 14.7 11.8 17.6



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: 4.753 ug/L

RT: 14.35 min Scan# 4047

Delta R.T. 0.00 min

Lab File: VU035795.D

Acq: 21 Nov 2019 10:40

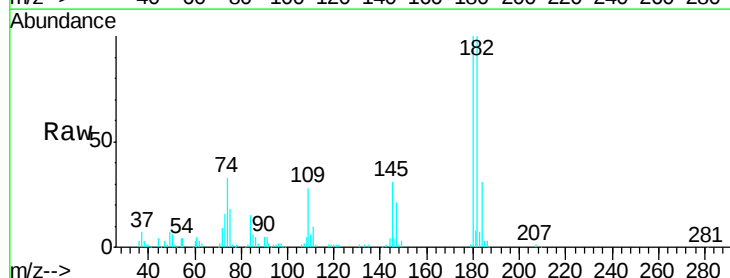
Tgt Ion:180 Resp: 97960

Ion Ratio Lower Upper

180 100

182 96.7 77.4 116.0

145 30.9 24.7 37.1



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

