

Data File : VU030793.D
Acq On : 06 Apr 2019 12:25
Operator : JC/SP
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
VSTD05053

Quant Time: Apr 08 05:00:52 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM040519WMA.M
Quant Title : VOC Analysis
QLast Update : Mon Apr 08 01:03:28 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.88	114	503632	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.09	117	488929	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.48	152	235223	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.39	65	239448	53.26	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	106.52%
7) Chloroethane-d5	1.68	69	179242	52.53	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	105.06%
11) 1,1-Dichloroethene-d2	2.27	63	430647	52.96	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	105.92%
21) 2-Butanone-d5	4.17	46	382991	107.49	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	107.49%
24) Chloroform-d	4.64	84	377135	54.91	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	109.82%
26) 1,2-Dichloroethane-d4	5.30	65	247951	52.91	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	105.82%
32) Benzene-d6	5.33	84	741752	51.97	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	103.94%
36) 1,2-Dichloropropane-d6	6.32	67	255289	52.19	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	104.38%
41) Toluene-d8	7.56	98	676106	53.44	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	106.88%
43) trans-1,3-Dichloropropene-	7.85	79	120373	53.97	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	107.94%
47) 2-Hexanone-d5	8.31	63	235914	105.52	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	105.52%
57) 1,1,2,2-Tetrachloroethane-	10.43	84	345815	52.41	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	104.82%
64) 1,2-Dichlorobenzene-d4	11.86	152	233528	50.48	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	100.96%

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.20	85	223626	50.550 ug/L	100
3) Chloromethane	1.32	50	279064	48.769 ug/L	100
5) Vinyl chloride	1.40	62	267662	48.322 ug/L	96
6) Bromomethane	1.62	94	142212	49.555 ug/L	98
8) Chloroethane	1.69	64	160070	50.667 ug/L	99
9) Trichlorofluoromethane	1.88	101	334024	51.753 ug/L	98
10) 1,1,2-Trichloro-1,2,2-trif	2.28	101	185523	51.445 ug/L	99
12) 1,1-Dichloroethene	2.28	96	178909	51.390 ug/L	87
13) Acetone	2.32	43	384875	105.558 ug/L	99
14) Carbon disulfide	2.47	76	534484	49.421 ug/L	99
15) Methyl Acetate	2.61	43	289197	51.156 ug/L	97
16) Methylene chloride	2.69	84	207742	49.121 ug/L	98
17) trans-1,2-Dichloroethene	2.98	96	182713	49.429 ug/L	98
18) Methyl tert-butyl Ether	2.99	73	610817	49.331 ug/L	100
19) 1,1-Dichloroethane	3.44	63	390473	51.187 ug/L	99
20) cis-1,2-Dichloroethene	4.22	96	205067	50.243 ug/L	94
22) 2-Butanone	4.25	43	455213	106.483 ug/L	95

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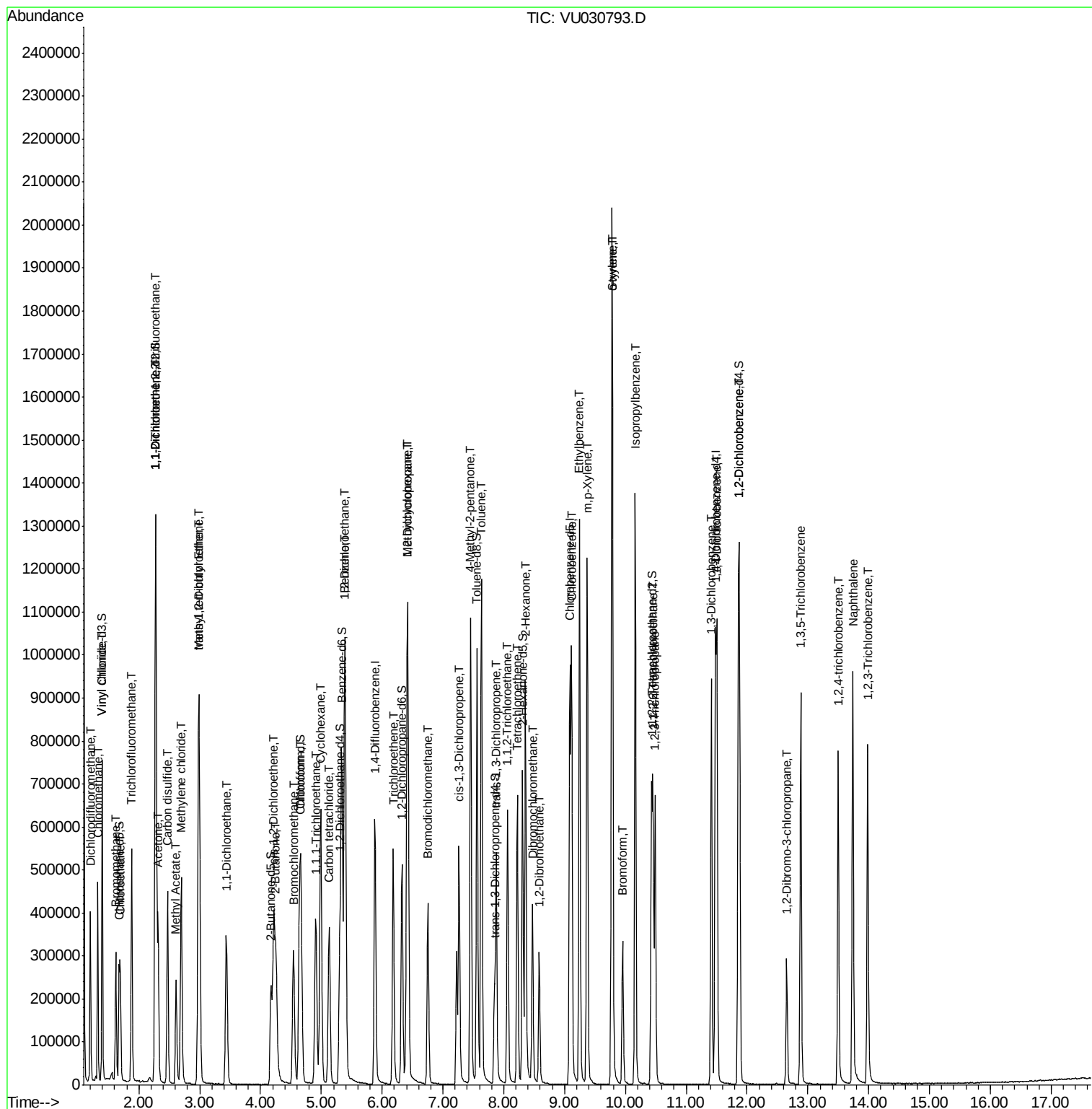
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.54	128	95662	49.576	ug/L	94
25) Chloroform	4.67	83	383968	50.080	ug/L	97
27) 1,2-Dichloroethane	5.40	62	297650	50.865	ug/L	98
29) Cyclohexane	4.99	56	349380	50.136	ug/L	98
30) 1,1,1-Trichloroethane	4.91	97	305107	51.205	ug/L	99
31) Carbon tetrachloride	5.13	117	264533	51.518	ug/L	100
33) Benzene	5.38	78	820895	51.306	ug/L	100
34) Trichloroethene	6.18	95	199676	50.883	ug/L	96
35) Methylcyclohexane	6.41	83	314543	51.937	ug/L	99
37) 1,2-Dichloropropane	6.43	63	229569	50.671	ug/L	100
38) Bromodichloromethane	6.75	83	282272	51.646	ug/L	97
39) cis-1,3-Dichloropropene	7.26	75	333483	51.715	ug/L	96
40) 4-Methyl-2-pentanone	7.45	43	750594	103.026	ug/L	100
42) Toluene	7.63	91	859197	52.608	ug/L	98
44) trans-1,3-Dichloropropene	7.87	75	300936	52.955	ug/L	97
45) 1,1,2-Trichloroethane	8.06	97	195573	50.899	ug/L	97
46) Tetrachloroethene	8.22	164	143306	50.229	ug/L	99
48) 2-Hexanone	8.36	43	612960	107.839	ug/L	99
49) Dibromochloromethane	8.47	129	210985	51.748	ug/L	99
50) 1,2-Dibromoethane	8.58	107	209388	50.361	ug/L	98
51) Chlorobenzene	9.12	112	511230	51.037	ug/L	100
52) Ethylbenzene	9.24	91	918472	51.592	ug/L	100
53) m,p-Xylene	9.37	106	326939	52.656	ug/L	99
54) o-xylene	9.77	106	317070	51.340	ug/L	96
55) Styrene	9.79	104	570443	53.849	ug/L	99
56) Isopropylbenzene	10.16	105	860500	52.920	ug/L	100
58) 1,1,2,2-Tetrachloroethane	10.45	83	353101	50.806	ug/L	99
59) 1,2,3-Trichloropropane	10.49	75	278385	51.305	ug/L	99
61) Bromoform	9.95	173	151554	48.772	ug/L	99
62) 1,3-Dichlorobenzene	11.41	146	364595	49.043	ug/L	98
63) 1,4-Dichlorobenzene	11.50	146	377808	49.962	ug/L	99
65) 1,2-Dichlorobenzene	11.87	146	367358	49.262	ug/L	99
66) 1,2-Dibromo-3-chloropropan	12.65	75	78231	49.349	ug/L	94
67) 1,3,5-Trichlorobenzene	12.88	180	278204	51.206	ug/L	98
68) 1,2,4-trichlorobenzene	13.50	180	235107	50.896	ug/L	98
69) Naphthalene	13.74	128	758030	50.620	ug/L	100
70) 1,2,3-Trichlorobenzene	13.98	180	248321	51.451	ug/L	98

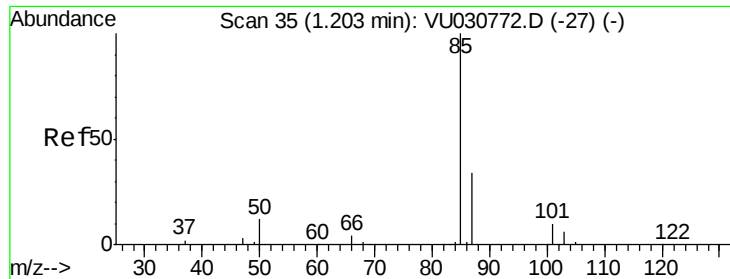
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#2

Dichlorodifluoromethane

Concen: 50.550 ug/L

RT: 1.20 min Scan# 35

Delta R.T. 0.00 min

Lab File: VU030793.D

Acq: 06 Apr 2019 12:25

Instrument :

MSVOA_U

ClientSampleId :

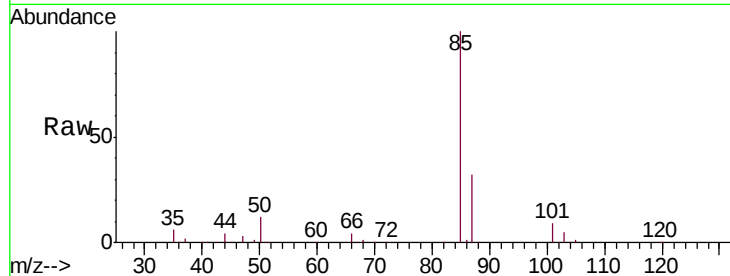
VSTD05053

Tgt Ion: 85 Resp: 223626

Ion Ratio Lower Upper

85 100

87 31.8 25.7 38.5



Abundance Ion 85.00 (84.70 to 85.70): VU030772.D (-27) (-)

Ion 87.00 (86.70 to 87.70): VU030772.D (-27) (-)

1.20

250000

200000

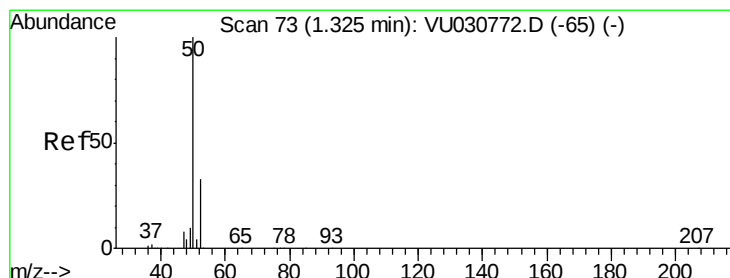
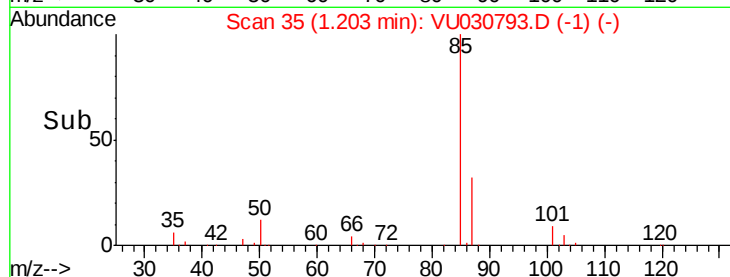
150000

100000

50000

0

Time-->



#3

Chloromethane

Concen: 48.769 ug/L

RT: 1.32 min Scan# 72

Delta R.T. -0.00 min

Lab File: VU030793.D

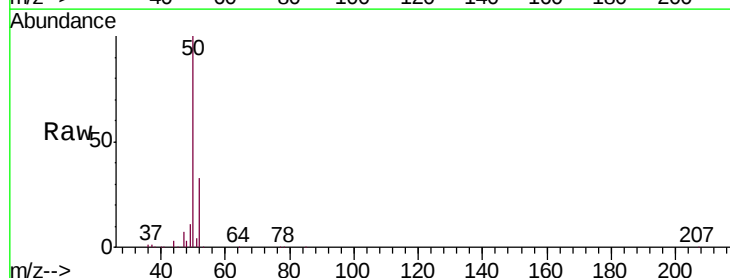
Acq: 06 Apr 2019 12:25

Tgt Ion: 50 Resp: 279064

Ion Ratio Lower Upper

50 100

52 32.5 22.7 42.1



Abundance Ion 50.00 (49.70 to 50.70): VU030772.D (-65) (-)

Ion 52.00 (51.70 to 52.70): VU030772.D (-65) (-)

1.32

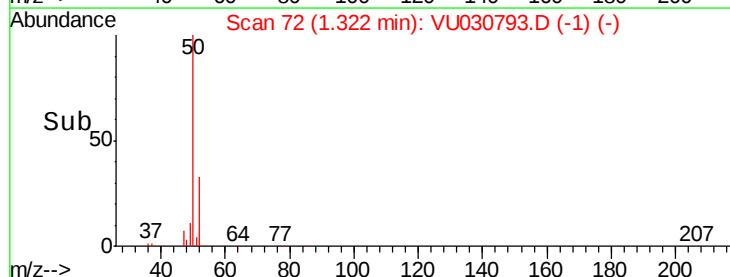
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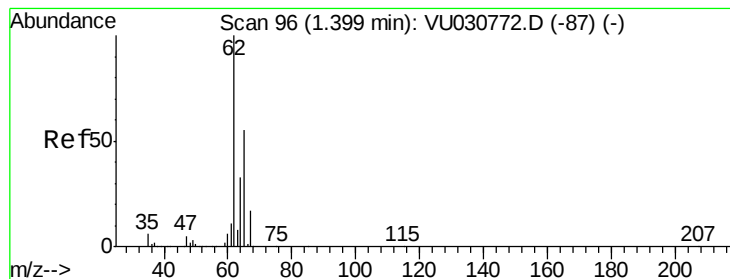
200000

100000

0

Time-->





#5

Vinyl chloride

Concen: 48.322 ug/L

RT: 1.40 min Scan# 96

Delta R.T. 0.00 min

Lab File: VU030793.D

Acq: 06 Apr 2019 12:25

Instrument :

MSVOA_U

ClientSampleId :

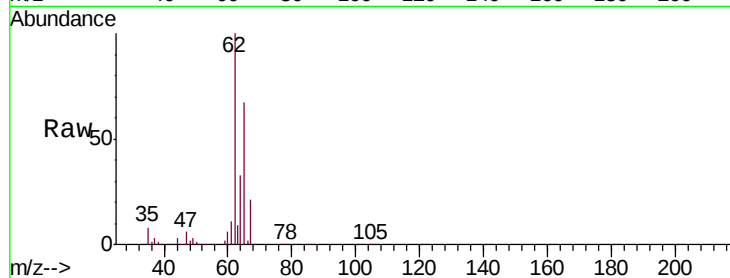
VSTD05053

Tgt Ion: 62 Resp: 267662

Ion Ratio Lower Upper

62 100

64 33.0 21.5 39.9



Abundance Ion 62.00 (61.70 to 62.70): VU030772.D (-87) (-)

Ion 64.00 (63.70 to 64.70): VU030793.D (-3) (-)

1.40

250000

200000

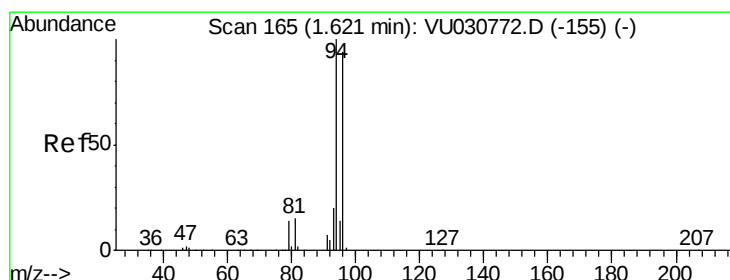
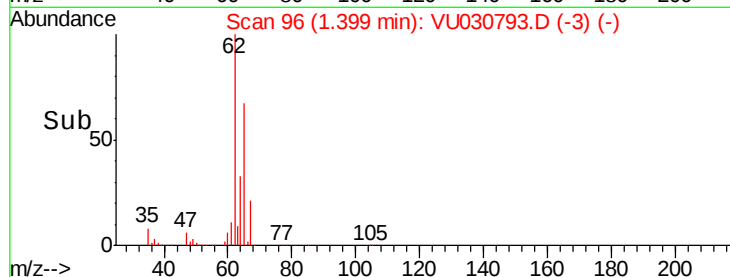
150000

100000

50000

0

Time-->



#6

Bromomethane

Concen: 49.555 ug/L

RT: 1.62 min Scan# 165

Delta R.T. 0.00 min

Lab File: VU030793.D

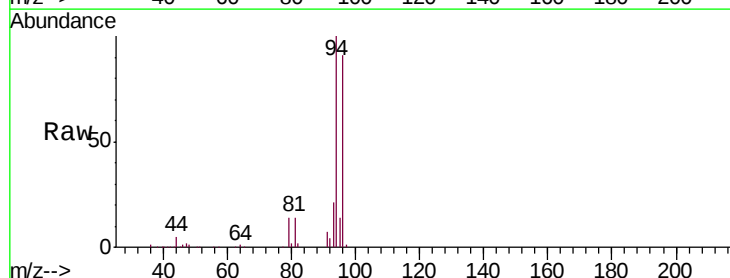
Acq: 06 Apr 2019 12:25

Tgt Ion: 94 Resp: 142212

Ion Ratio Lower Upper

94 100

96 91.4 65.5 121.7



Abundance Ion 94.00 (93.70 to 94.70): VU030772.D (-155) (-)

Ion 96.00 (95.70 to 96.70): VU030793.D (-72) (-)

1.62

120000

100000

80000

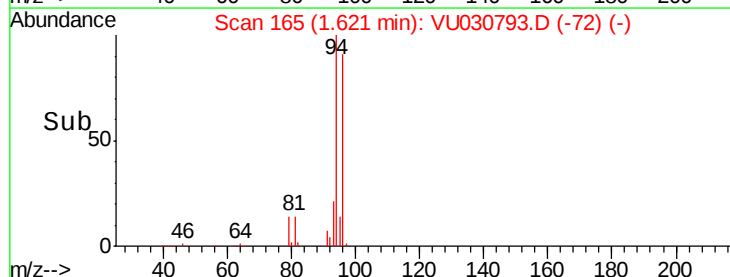
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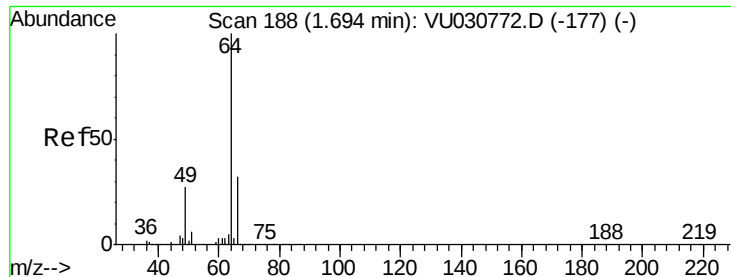
40000

20000

0

Time-->





#8

Chloroethane

Concen: 50.667 ug/L

RT: 1.69 min Scan# 188

Delta R.T. 0.00 min

Lab File: VU030793.D

Acq: 06 Apr 2019 12:25

Instrument :

MSVOA_U

ClientSampleId :

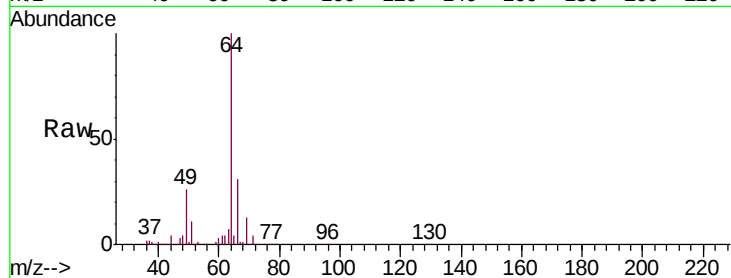
VSTD05053

Tgt Ion: 64 Resp: 160070

Ion Ratio Lower Upper

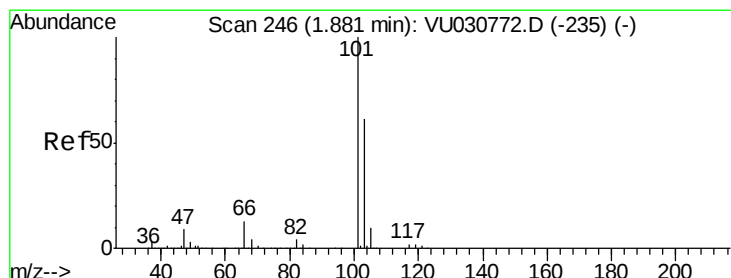
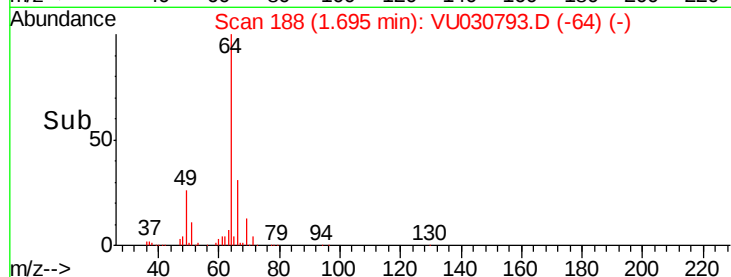
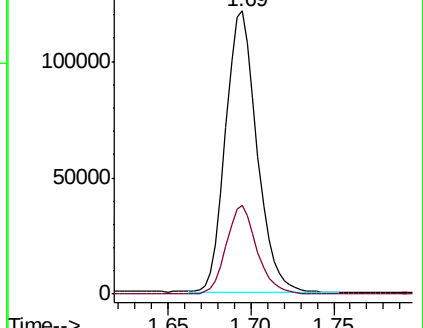
64 100

66 31.3 22.4 41.6



Abundance Ion 64.00 (63.70 to 64.70): VU030772.D (-177) (-)

Ion 66.00 (65.70 to 66.70): VU030772.D (-177) (-)



#9

Trichlorofluoromethane

Concen: 51.753 ug/L

RT: 1.88 min Scan# 246

Delta R.T. 0.00 min

Lab File: VU030793.D

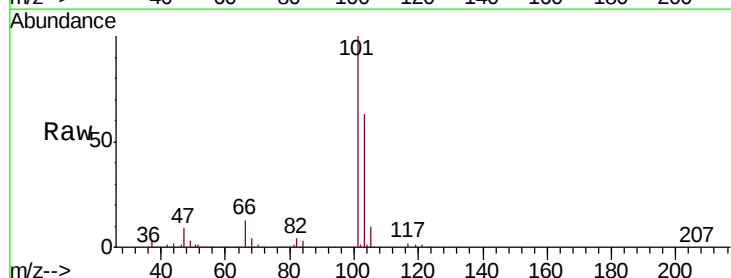
Acq: 06 Apr 2019 12:25

Tgt Ion: 101 Resp: 334024

Ion Ratio Lower Upper

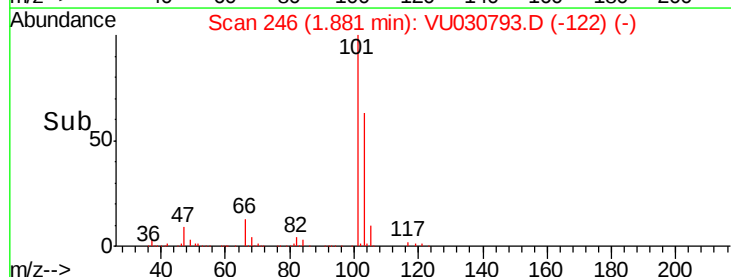
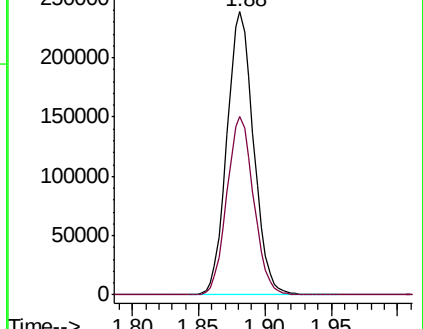
101 100

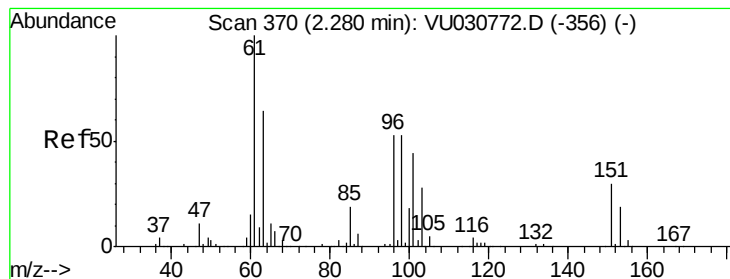
103 63.4 51.8 77.8



Abundance Ion 101.00 (100.70 to 101.70): VU030772.D (-235) (-)

Ion 103.00 (102.70 to 103.70): VU030772.D (-235) (-)





#10

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

Concen: 51.445 ug/L

RT: 2.28 min Scan# 370

Delta R.T. 0.00 min

Lab File: VU030793.D

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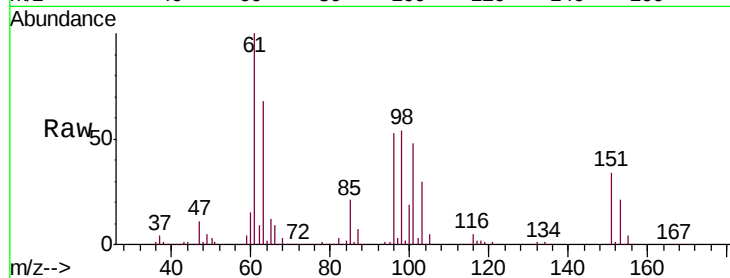
Tgt Ion: 101 Resp: 185523

Ion Ratio Lower Upper

101 100

85 44.4 36.8 55.2

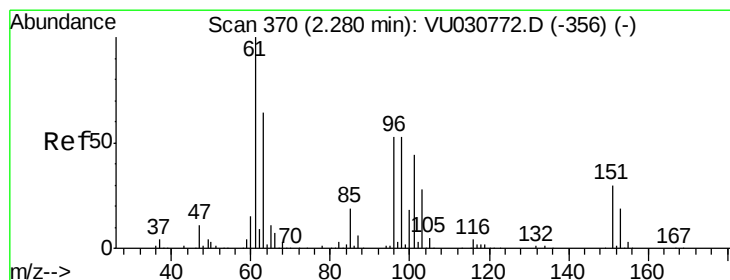
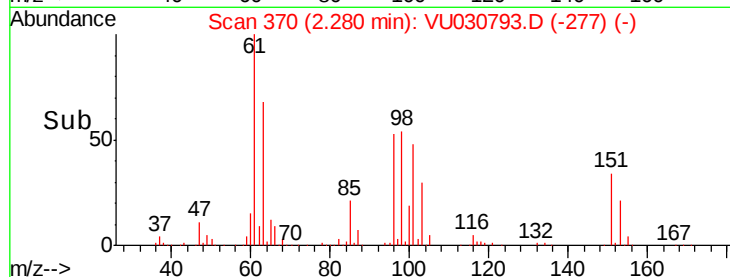
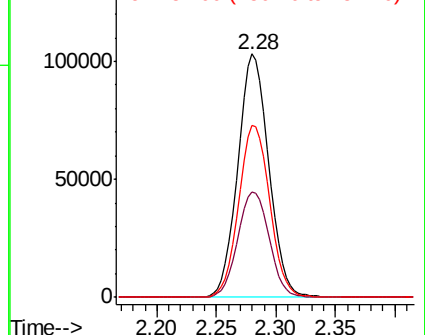
151 71.3 57.4 86.0



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: 51.390 ug/L

RT: 2.28 min Scan# 369

Delta R.T. -0.00 min

Lab File: VU030793.D

Acq: 06 Apr 2019 12:25

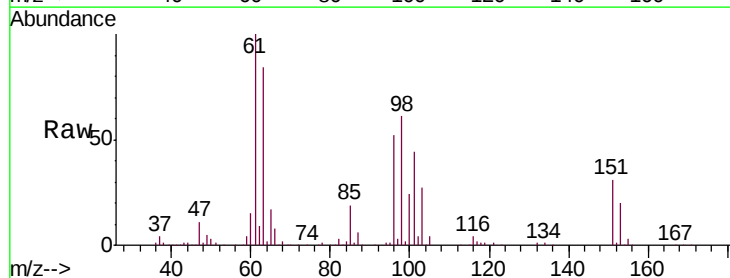
Tgt Ion: 96 Resp: 178909

Ion Ratio Lower Upper

96 100

61 192.8 132.0 245.2

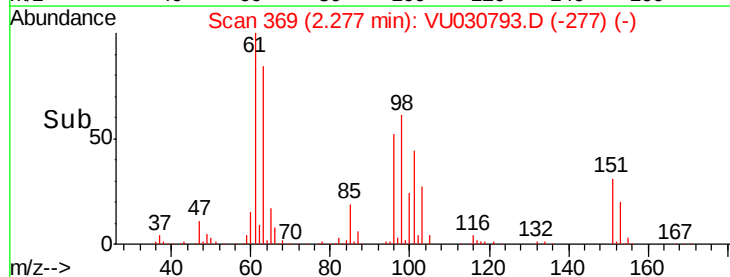
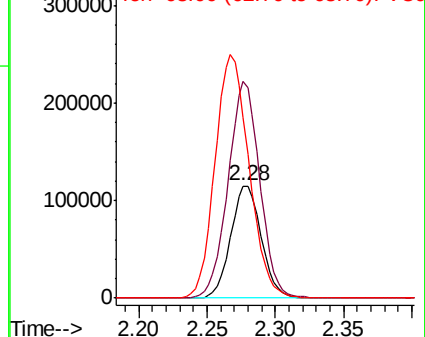
63 161.3 90.9 168.9

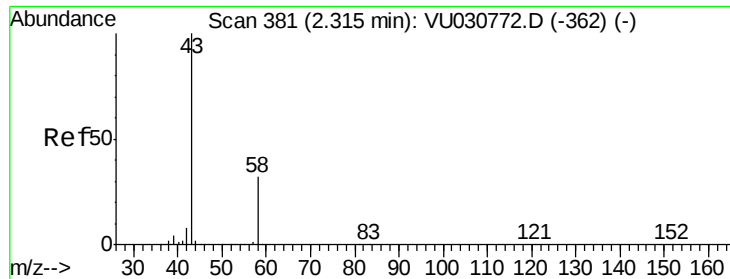


Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.00 (60.70 to 61.70): VU0

Ion 63.00 (62.70 to 63.70): VU0





#13

Acetone

Concen: 105.558 ug/L

RT: 2.32 min Scan# 381

Delta R.T. 0.00 min

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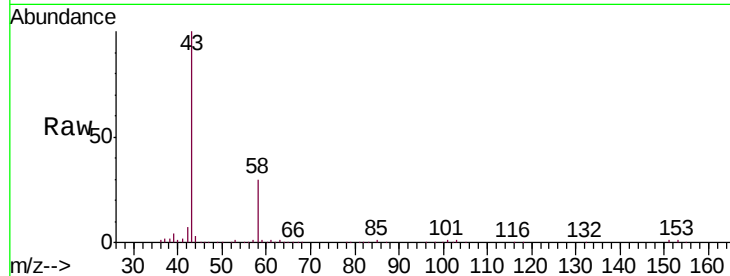
VSTD05053

Tgt Ion: 43 Resp: 384875

Ion Ratio Lower Upper

43 100

58 31.2 0.0 64.0



Abundance Ion 43.00 (42.70 to 43.70): VU030772.D (-362) (-)

Ion 58.00 (57.70 to 58.70): VU030772.D (-362) (-)

2.32

250000

200000

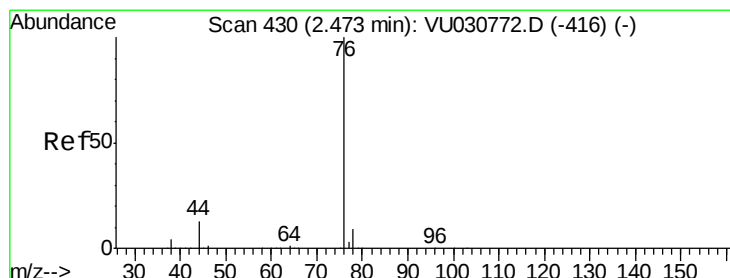
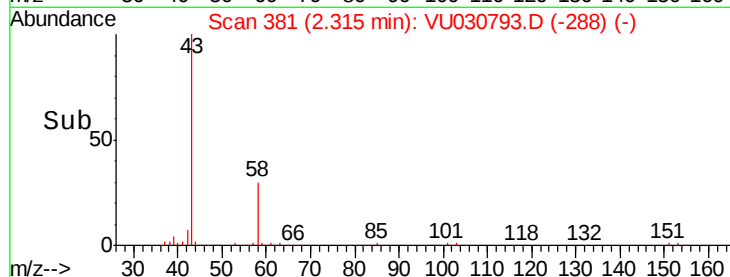
150000

100000

50000

0

Time-->



#14

Carbon disulfide

Concen: 49.421 ug/L

RT: 2.47 min Scan# 430

Delta R.T. 0.00 min

Lab File: VU030793.D

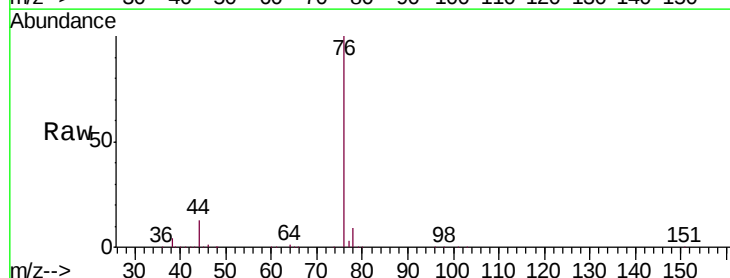
Acq: 06 Apr 2019 12:25

Tgt Ion: 76 Resp: 534484

Ion Ratio Lower Upper

76 100

78 9.2 7.0 10.4



Abundance Ion 76.00 (75.70 to 76.70): VU030772.D (-416) (-)

Ion 78.00 (77.70 to 78.70): VU030772.D (-416) (-)

2.47

400000

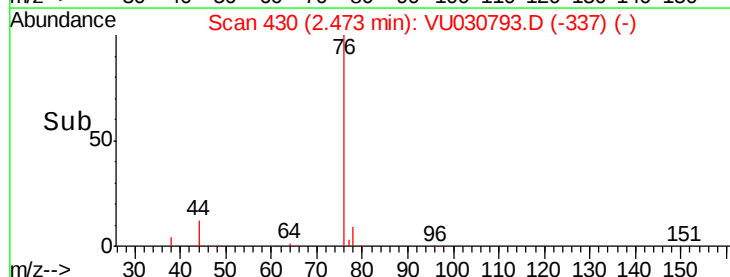
300000

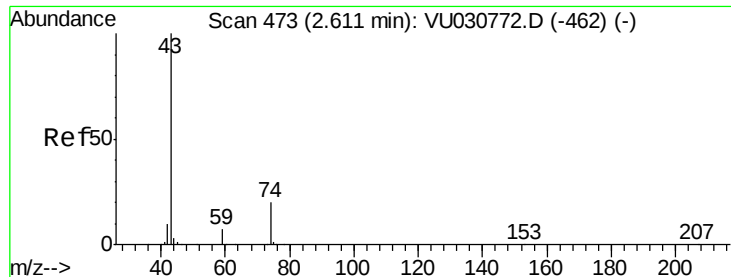
200000

100000

0

Time-->

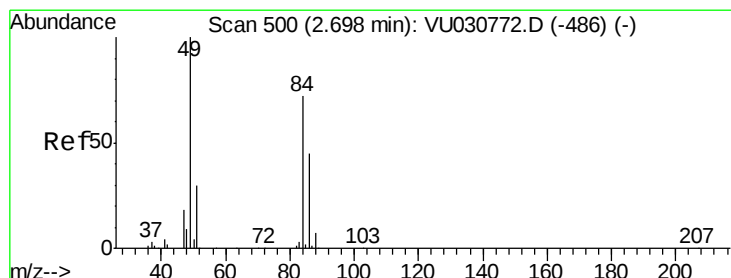
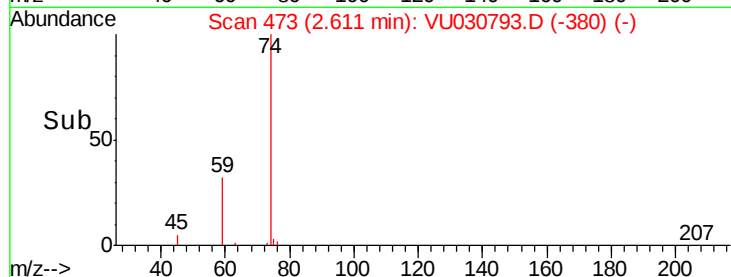
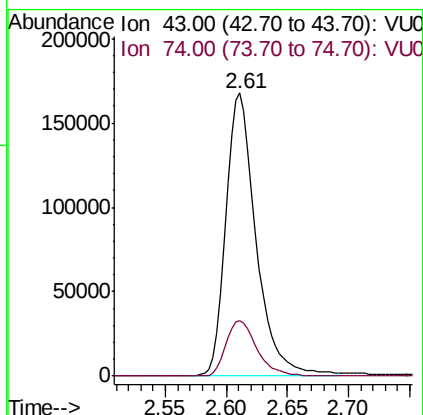
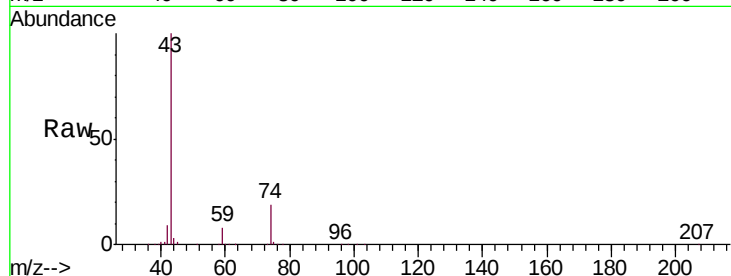




#15
Methyl Acetate
Concen: 51.156 ug/L
RT: 2.61 min Scan# 473
Delta R.T. 0.00 min
Lab File: VU030793.D
Acq: 06 Apr 2019 12:25

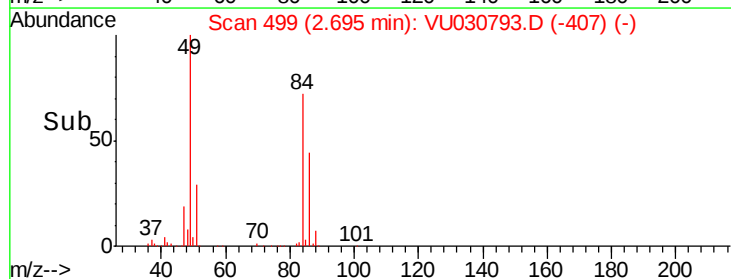
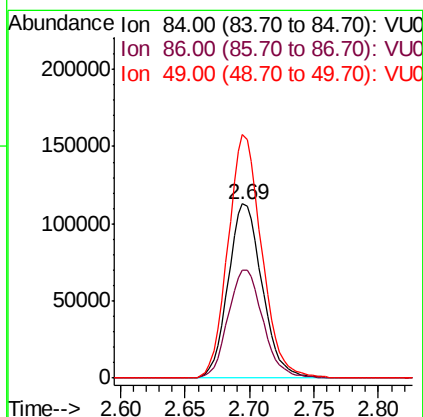
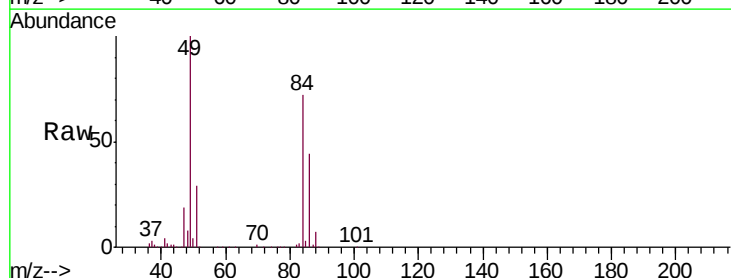
Instrument :
MSVOA_U
ClientSampleId :
VSTD05053

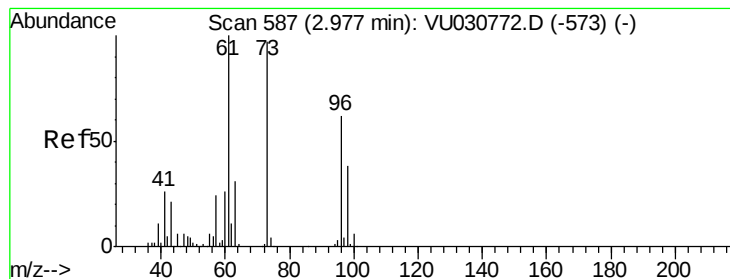
Tgt Ion: 43 Resp: 289197
Ion Ratio Lower Upper
43 100
74 20.1 17.1 25.7



#16
Methylene chloride
Concen: 49.121 ug/L
RT: 2.69 min Scan# 499
Delta R.T. -0.00 min
Lab File: VU030793.D
Acq: 06 Apr 2019 12:25

Tgt Ion: 84 Resp: 207742
Ion Ratio Lower Upper
84 100
86 61.9 45.1 83.7
49 139.6 96.5 179.1





#17

trans-1,2-Dichloroethene

Concen: 49.429 ug/L

RT: 2.98 min Scan# 587

Delta R.T. 0.00 min

Lab File: VU030793.D

Acq: 06 Apr 2019 12:25

Instrument :

MSVOA_U

ClientSampleId :

VSTD05053

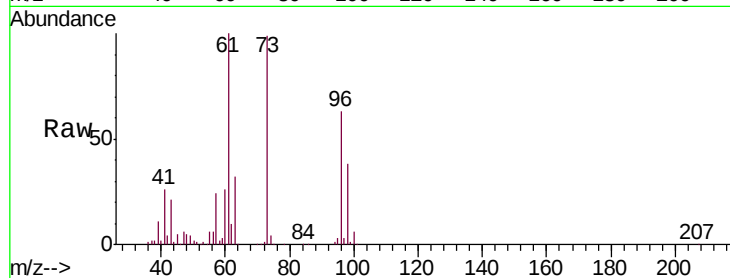
Tgt Ion: 96 Resp: 182713

Ion Ratio Lower Upper

96 100

61 158.3 109.5 203.3

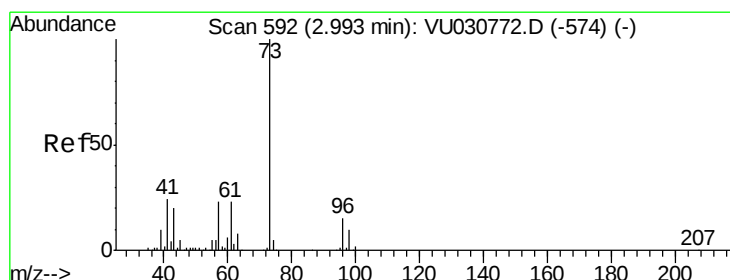
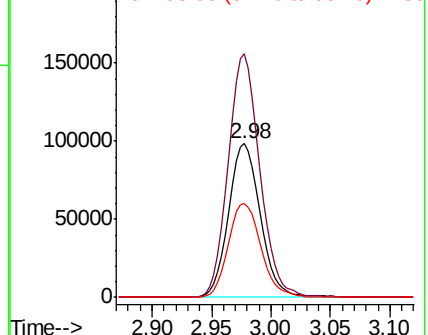
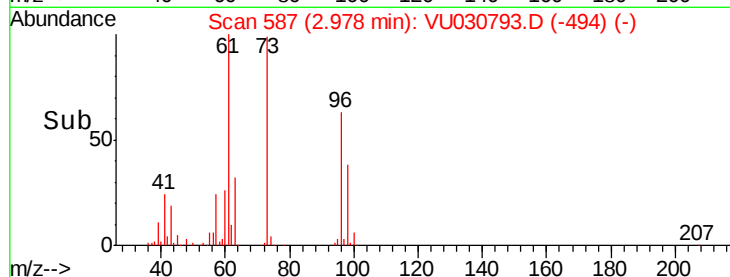
98 60.8 44.0 81.6



Abundance Ion 96.00 (95.70 to 96.70): VU030793.D (-494) (-)

Ion 61.00 (60.70 to 61.70): VU030793.D (-494) (-)

Ion 98.00 (97.70 to 98.70): VU030793.D (-494) (-)



#18

Methyl tert-butyl Ether

Concen: 49.331 ug/L

RT: 2.99 min Scan# 592

Delta R.T. 0.00 min

Lab File: VU030793.D

Acq: 06 Apr 2019 12:25

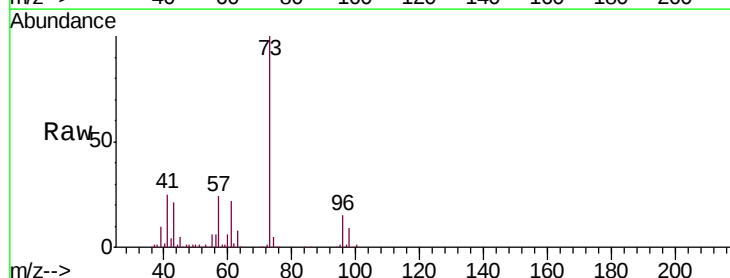
Tgt Ion: 73 Resp: 610817

Ion Ratio Lower Upper

73 100

43 20.8 16.4 24.6

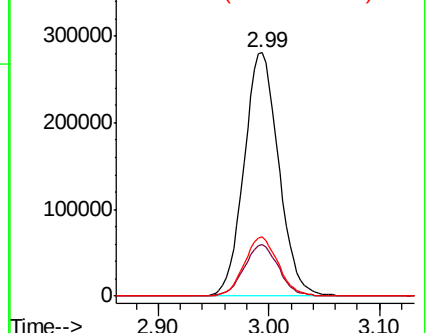
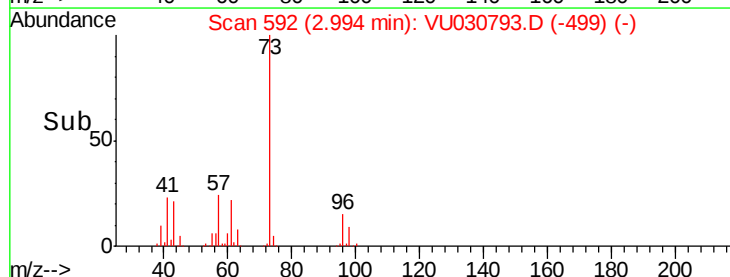
57 23.7 19.0 28.4

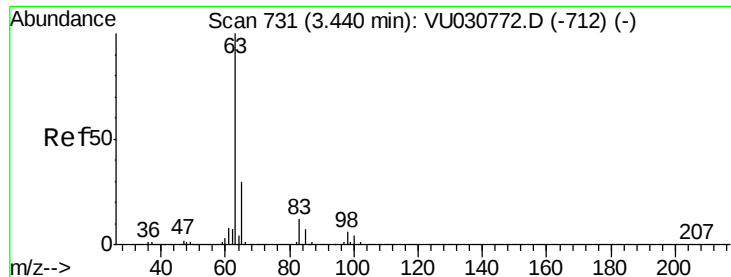


Abundance Ion 73.00 (72.70 to 73.70): VU030793.D (-499) (-)

Ion 43.00 (42.70 to 43.70): VU030793.D (-499) (-)

Ion 57.00 (56.70 to 57.70): VU030793.D (-499) (-)

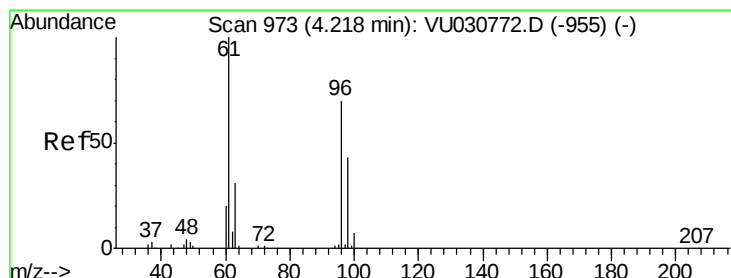
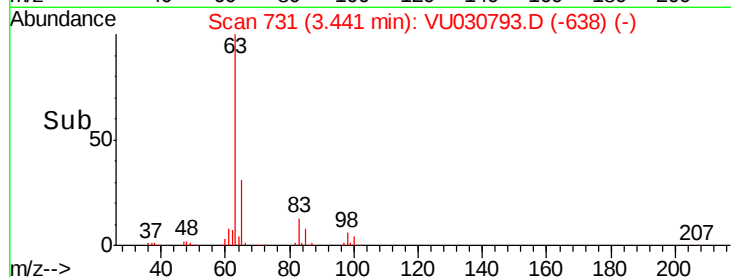
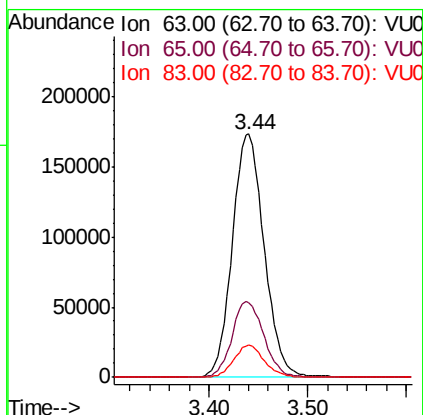
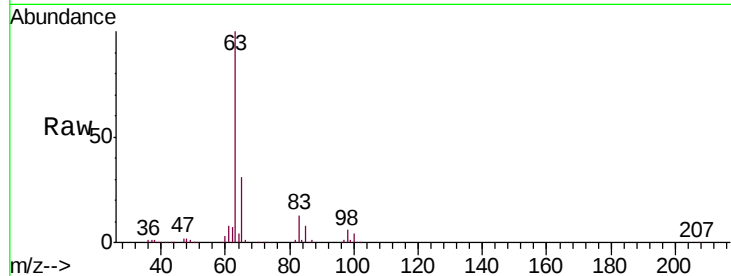




#19
 1,1-Dichloroethane
 Concen: 51.187 ug/L
 RT: 3.44 min Scan# 731
 Delta R.T. 0.00 min
 Lab File: VU030793.D
 Acq: 06 Apr 2019 12:25

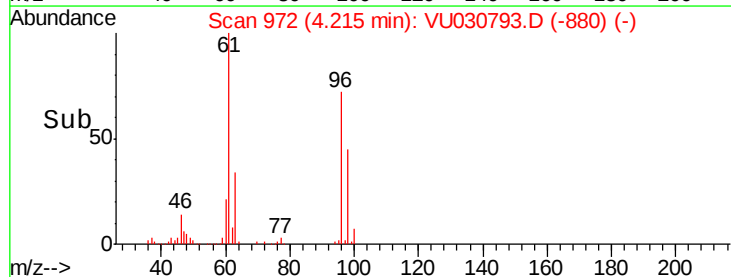
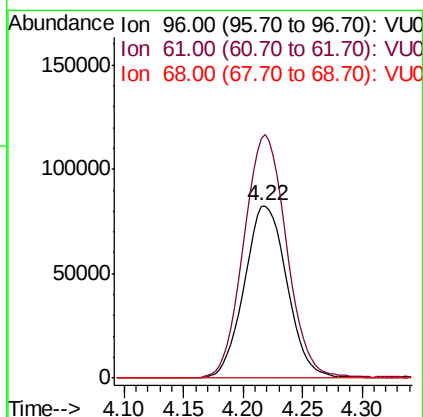
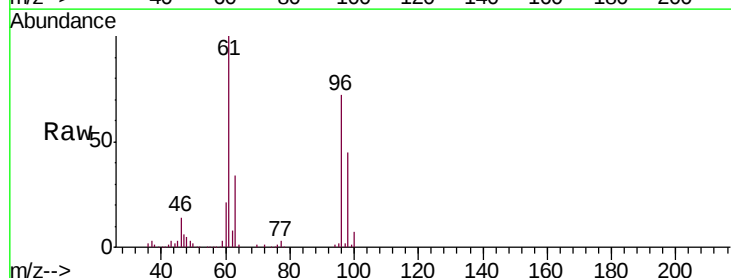
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD05053

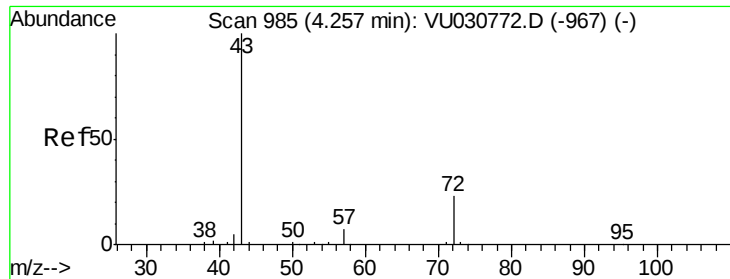
Tgt Ion: 63 Resp: 390473
 Ion Ratio Lower Upper
 63 100
 65 30.8 21.4 39.8
 83 13.1 8.5 15.7



#20
 cis-1,2-Dichloroethene
 Concen: 50.243 ug/L
 RT: 4.22 min Scan# 972
 Delta R.T. -0.00 min
 Lab File: VU030793.D
 Acq: 06 Apr 2019 12:25

Tgt Ion: 96 Resp: 205067
 Ion Ratio Lower Upper
 96 100
 61 139.2 102.9 191.1
 68 0.0 0.0 0.0





#22

2-Butanone

Concen: 106.483 ug/L

RT: 4.25 min Scan# 984

Delta R.T. -0.00 min

Lab File: VU030793.D

Acq: 06 Apr 2019 12:25

Instrument :

MSVOA_U

ClientSampleId :

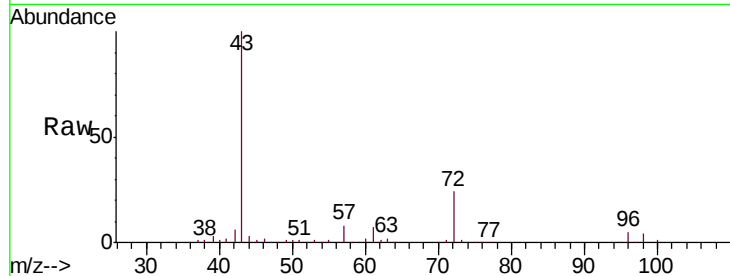
VSTD05053

Tgt Ion: 43 Resp: 455213

Ion Ratio Lower Upper

43 100

72 23.9 10.8 32.4



Abundance Ion 43.00 (42.70 to 43.70): VU030772.D (-967) (-)

Ion 72.00 (71.70 to 72.70): VU030772.D (-967) (-)

4.25

200000

150000

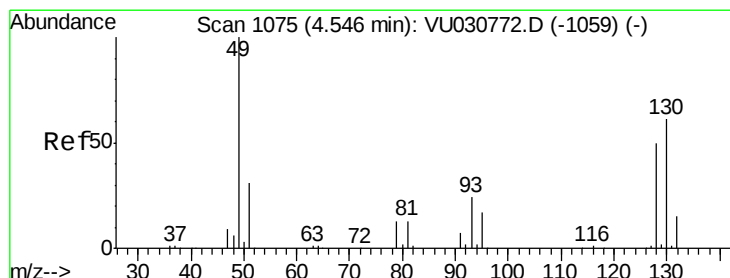
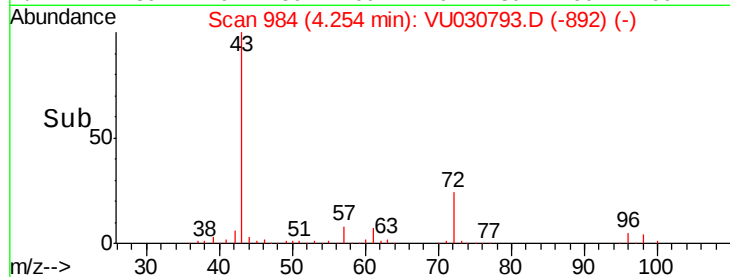
100000

50000

0

4.20 4.30 4.40

Time-->



#23

Bromochloromethane

Concen: 49.576 ug/L

RT: 4.54 min Scan# 1074

Delta R.T. -0.00 min

Lab File: VU030793.D

Acq: 06 Apr 2019 12:25

Tgt Ion: 128 Resp: 95662

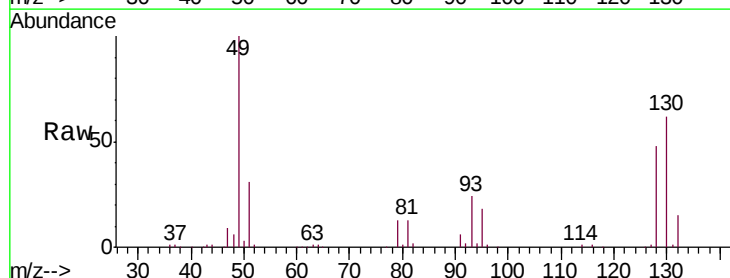
Ion Ratio Lower Upper

128 100

49 210.4 139.9 259.7

130 131.4 86.6 160.8

51 65.6 52.2 78.4



Abundance Ion 128.00 (127.70 to 128.70): VU030772.D (-1059) (-)

Ion 49.00 (48.70 to 49.70): VU030772.D (-1059) (-)

Ion 130.00 (129.70 to 130.70): VU030772.D (-1059) (-)

Ion 51.00 (50.70 to 51.70): VU030772.D (-1059) (-)

120000

100000

80000

60000

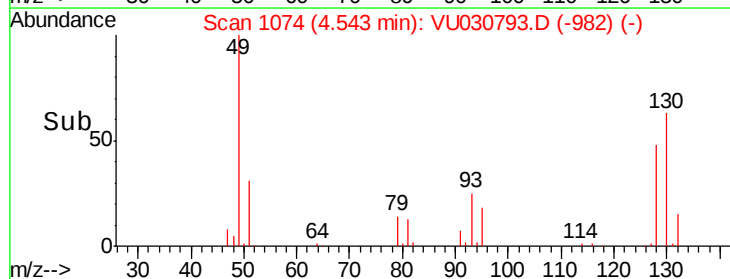
40000

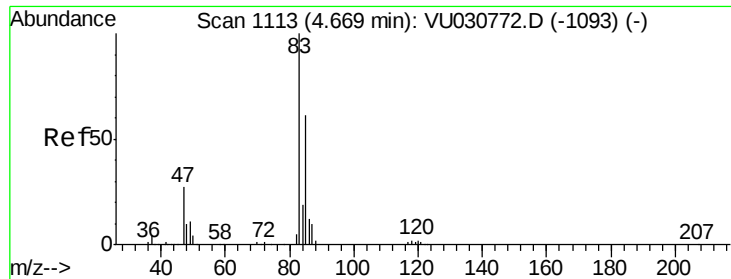
20000

0

4.45 4.50 4.55 4.60 4.65

Time-->





#25

Chloroform

Concen: 50.080 ug/L

RT: 4.67 min Scan# 1112

Delta R.T. -0.00 min

Lab File: VU030793.D

Acq: 06 Apr 2019 12:25

Instrument :

MSVOA_U

ClientSampleId :

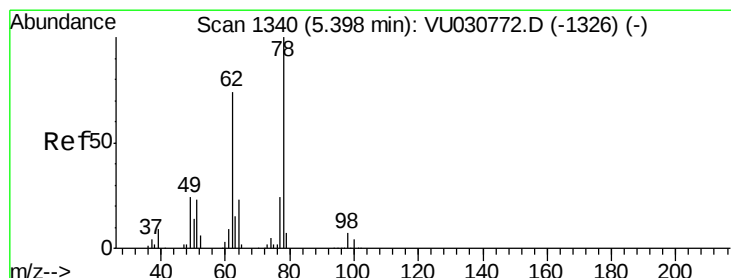
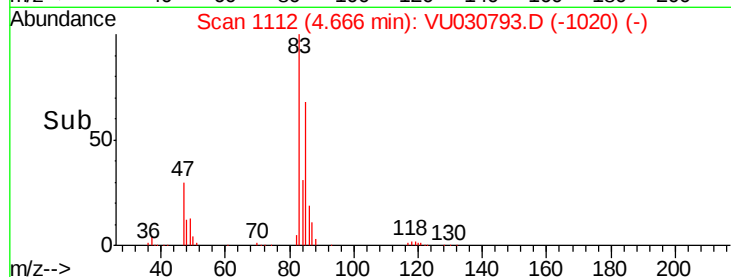
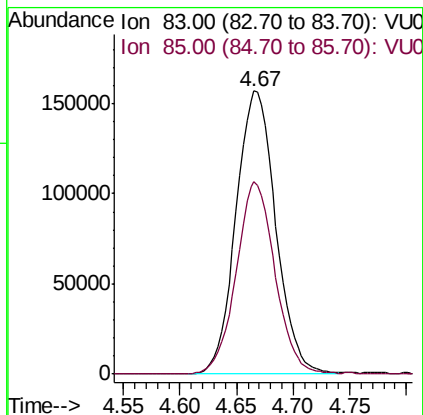
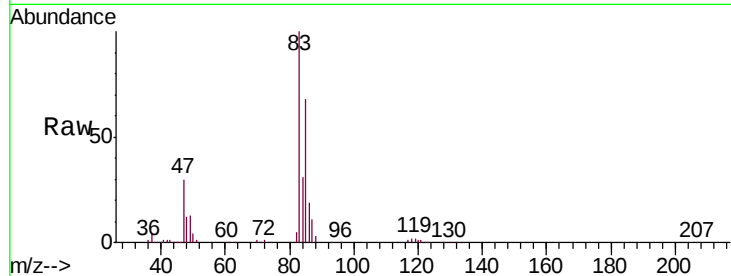
VSTD05053

Tgt Ion: 83 Resp: 383968

Ion Ratio Lower Upper

83 100

85 67.9 45.8 85.0



#27

1,2-Dichloroethane

Concen: 50.865 ug/L

RT: 5.40 min Scan# 1340

Delta R.T. 0.00 min

Lab File: VU030793.D

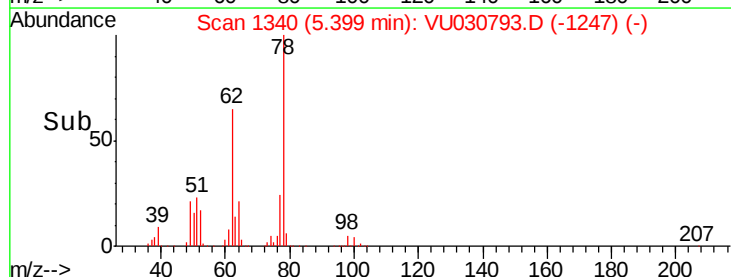
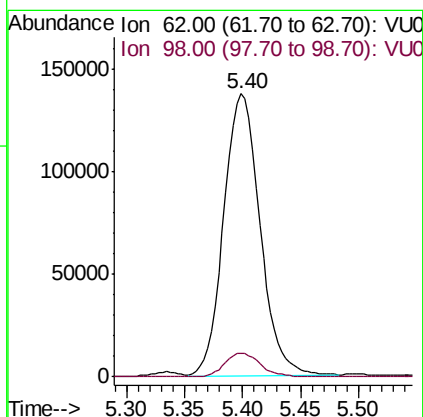
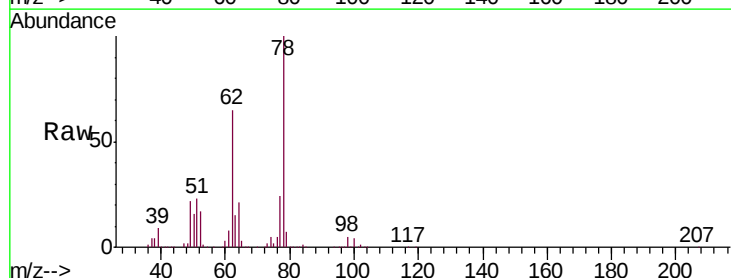
Acq: 06 Apr 2019 12:25

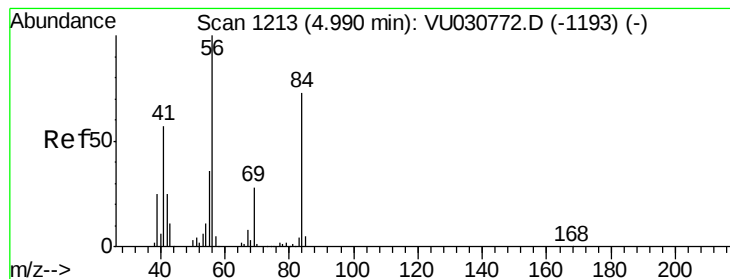
Tgt Ion: 62 Resp: 297650

Ion Ratio Lower Upper

62 100

98 8.4 7.2 10.8





#29

Cyclohexane

Concen: 50.136 ug/L

RT: 4.99 min Scan# 1213

Delta R.T. 0.00 min

Lab File: VU030793.D

Acq: 06 Apr 2019 12:25

Instrument :

MSVOA_U

ClientSampleId :

VSTD05053

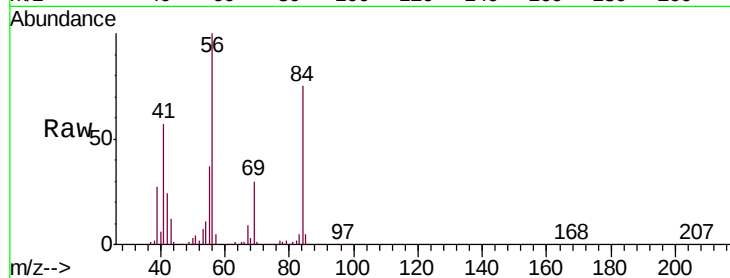
Tgt Ion: 56 Resp: 349380

Ion Ratio Lower Upper

56 100

69 28.4 22.0 33.0

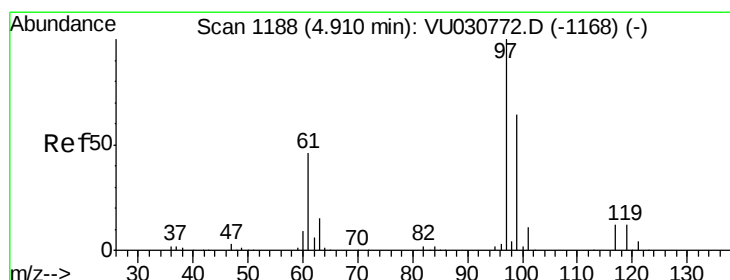
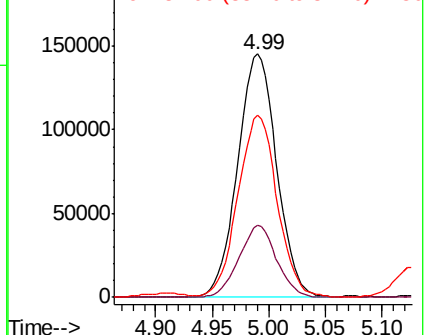
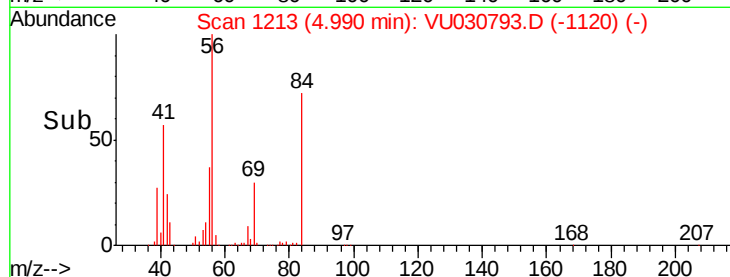
84 74.5 58.2 87.2



Abundance Ion 56.00 (55.70 to 56.70): VU030793.D (-1120) (-)

Ion 69.00 (68.70 to 69.70): VU030793.D (-1120) (-)

Ion 84.00 (83.70 to 84.70): VU030793.D (-1120) (-)



#30

1,1,1-Trichloroethane

Concen: 51.205 ug/L

RT: 4.91 min Scan# 1187

Delta R.T. -0.00 min

Lab File: VU030793.D

Acq: 06 Apr 2019 12:25

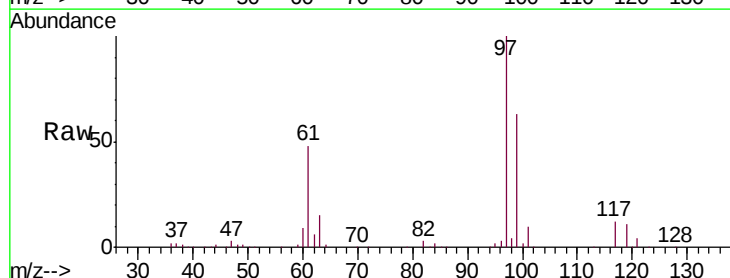
Tgt Ion: 97 Resp: 305107

Ion Ratio Lower Upper

97 100

99 63.2 51.4 77.2

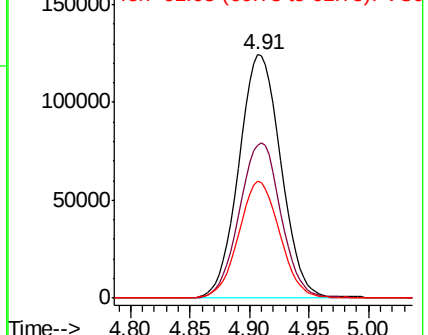
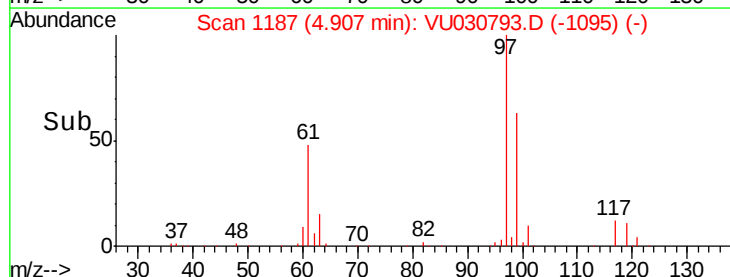
61 46.9 37.1 55.7

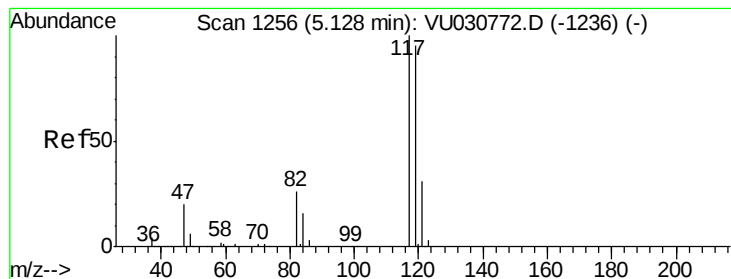


Abundance Ion 97.00 (96.70 to 97.70): VU030793.D (-1095) (-)

Ion 99.00 (98.70 to 99.70): VU030793.D (-1095) (-)

Ion 61.05 (60.75 to 61.75): VU030793.D (-1095) (-)



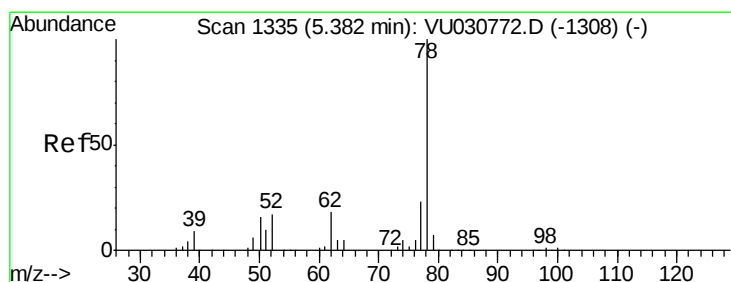
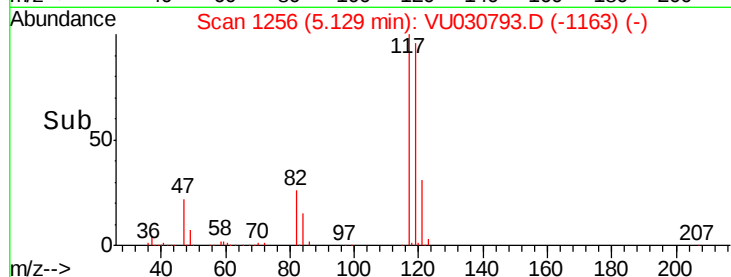
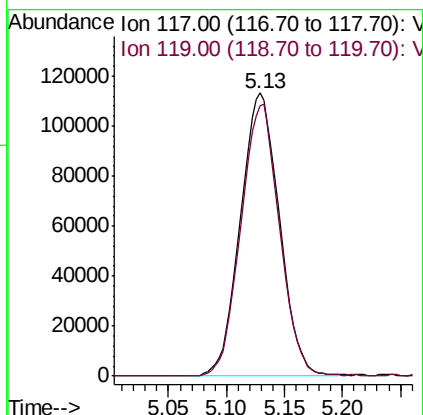
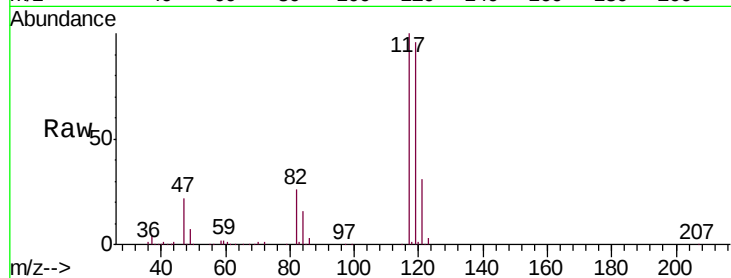


#31

Carbon tetrachloride
 Concen: 51.518 ug/L
 RT: 5.13 min Scan# 1256
 Delta R.T. 0.00 min
 Lab File: VU030793.D
 Acq: 06 Apr 2019 12:25

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD05053

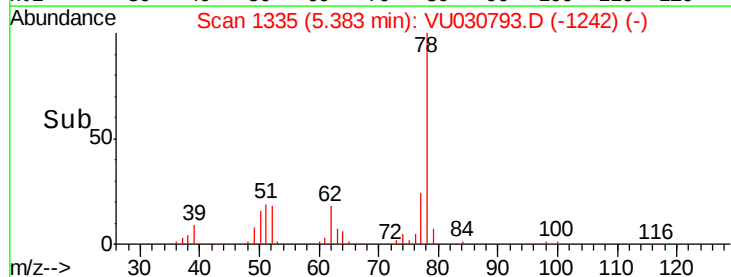
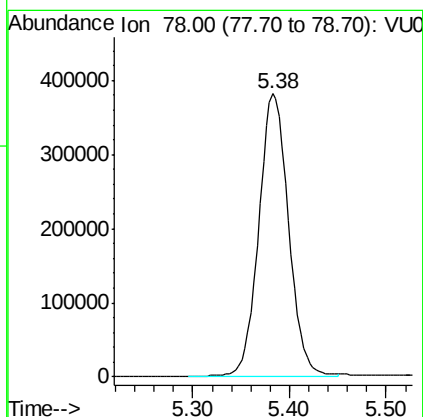
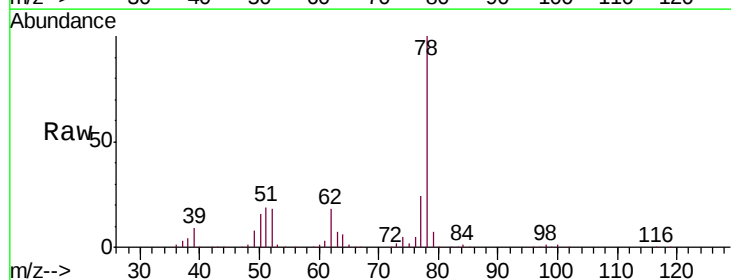
Tgt Ion:117 Resp: 264533
 Ion Ratio Lower Upper
 117 100
 119 95.6 76.2 114.2

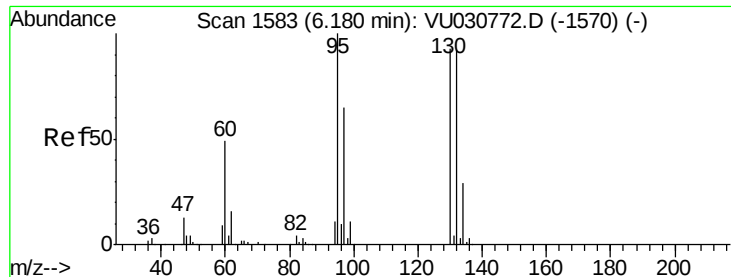


#33

Benzene
 Concen: 51.306 ug/L
 RT: 5.38 min Scan# 1335
 Delta R.T. 0.00 min
 Lab File: VU030793.D
 Acq: 06 Apr 2019 12:25

Tgt Ion: 78 Resp: 820895





#34

Trichloroethene

Concen: 50.883 ug/L

RT: 6.18 min Scan# 1583

Delta R.T. 0.00 min

Lab File: VU030793.D

Acq: 06 Apr 2019 12:25

Instrument :

MSVOA_U

ClientSampleId :

VSTD05053

Tgt Ion: 95 Resp: 199676

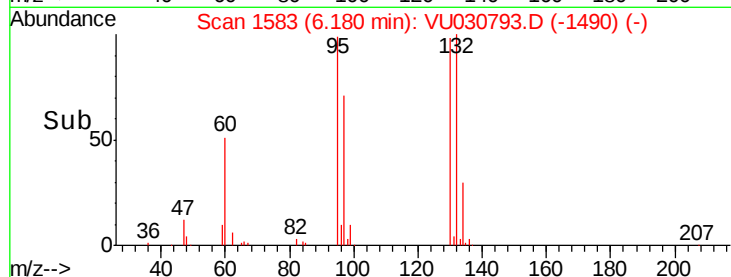
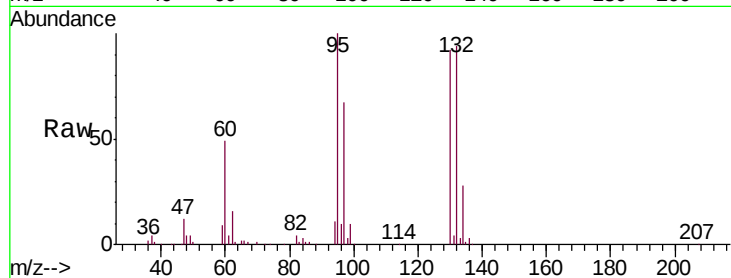
Ion Ratio Lower Upper

95 100

97 66.6 44.5 82.7

132 93.5 61.5 114.1

130 91.6 64.9 120.5



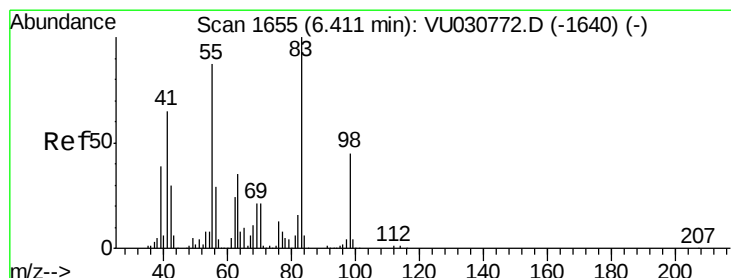
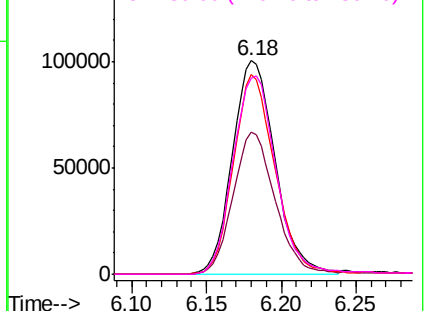
Abundance

Ion 95.00 (94.70 to 95.70): VU0

Ion 97.00 (96.70 to 97.70): VU0

Ion 132.00 (131.70 to 132.70): V

Ion 130.00 (129.70 to 130.70): V



#35

Methylcyclohexane

Concen: 51.937 ug/L

RT: 6.41 min Scan# 1655

Delta R.T. 0.00 min

Lab File: VU030793.D

Acq: 06 Apr 2019 12:25

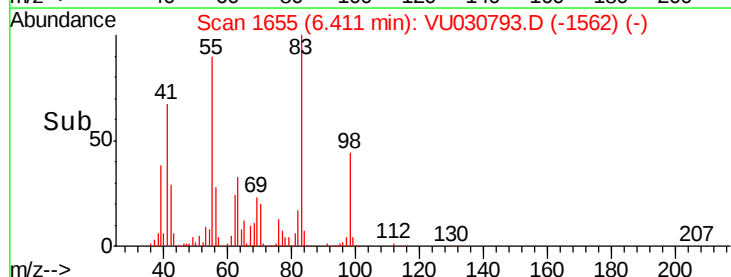
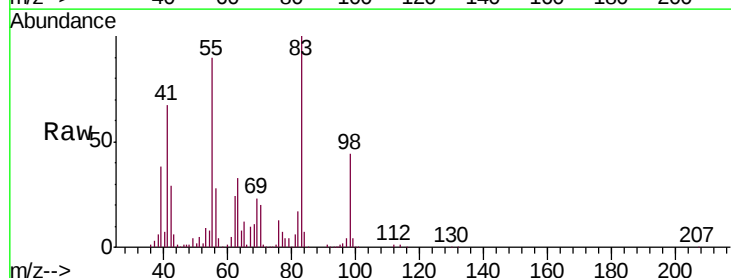
Tgt Ion: 83 Resp: 314543

Ion Ratio Lower Upper

83 100

55 90.4 71.6 107.4

98 44.2 35.4 53.0

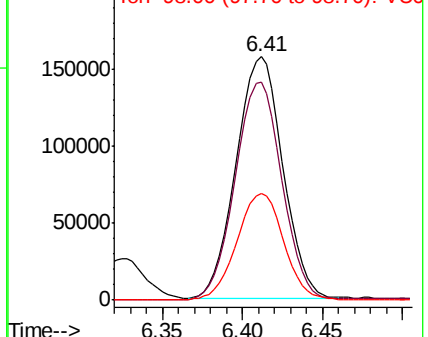


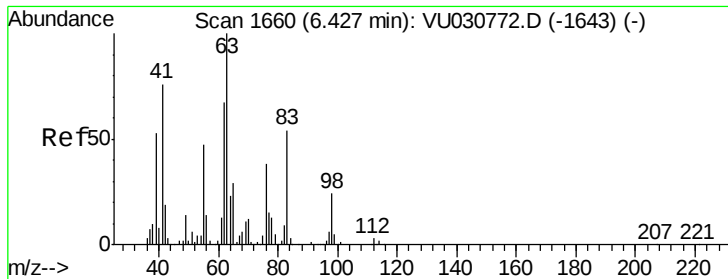
Abundance

Ion 83.00 (82.70 to 83.70): VU0

Ion 55.00 (54.70 to 55.70): VU0

Ion 98.00 (97.70 to 98.70): VU0

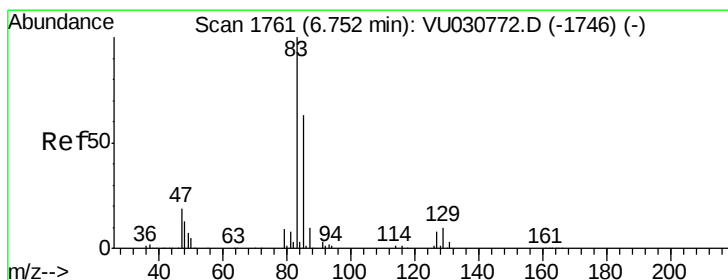
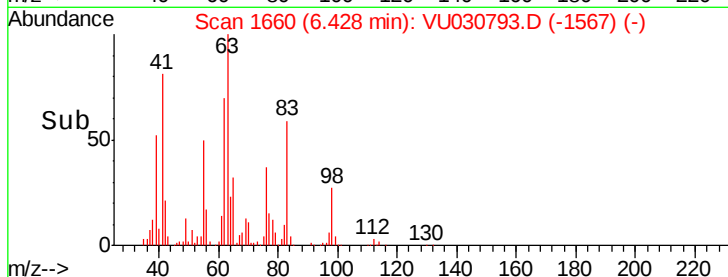
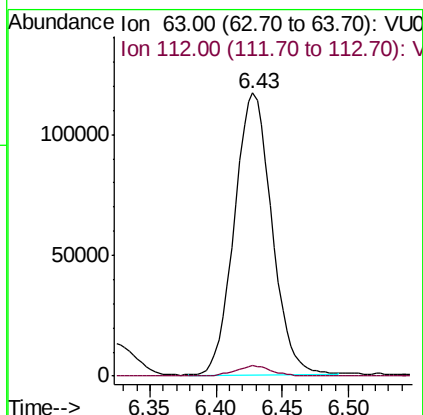
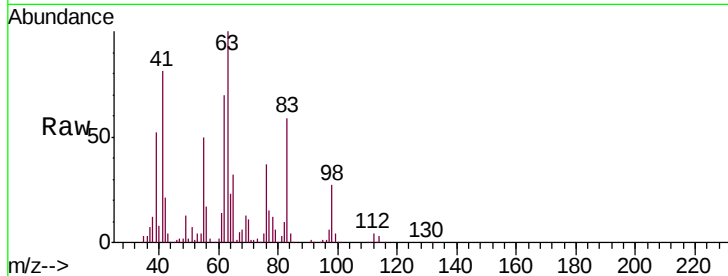




#37
 1,2-Dichloropropane
 Concen: 50.671 ug/L
 RT: 6.43 min Scan# 1660
 Delta R.T. 0.00 min
 Lab File: VU030793.D
 Acq: 06 Apr 2019 12:25

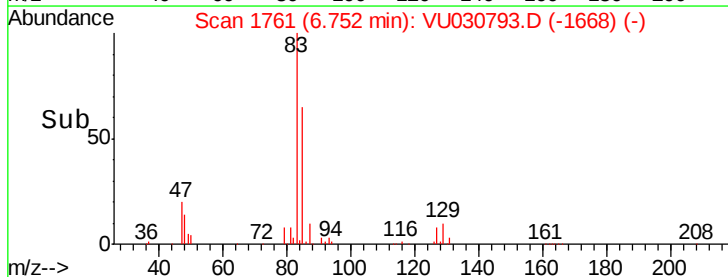
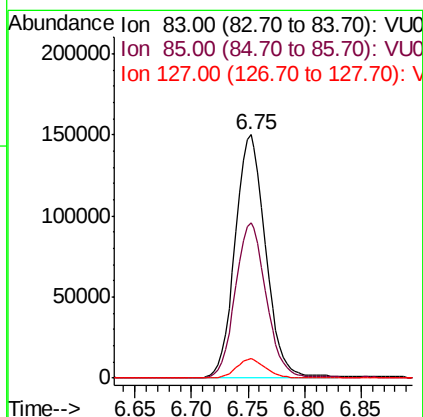
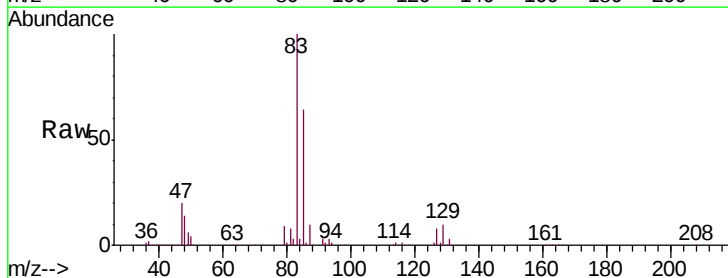
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD05053

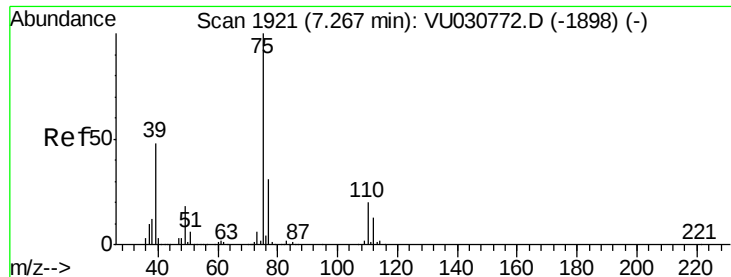
Tgt Ion: 63 Resp: 229569
 Ion Ratio Lower Upper
 63 100
 112 3.7 3.0 4.4



#38
 Bromodichloromethane
 Concen: 51.646 ug/L
 RT: 6.75 min Scan# 1761
 Delta R.T. 0.00 min
 Lab File: VU030793.D
 Acq: 06 Apr 2019 12:25

Tgt Ion: 83 Resp: 282272
 Ion Ratio Lower Upper
 83 100
 85 63.9 46.5 86.3
 127 8.1 6.6 10.0

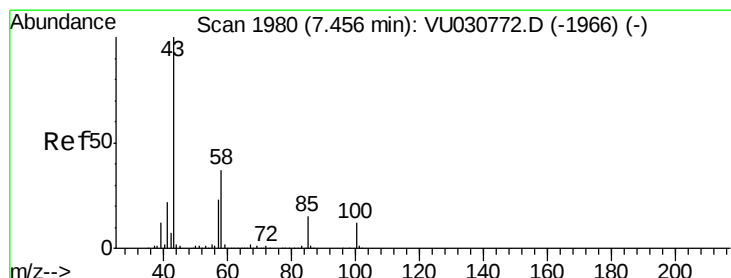
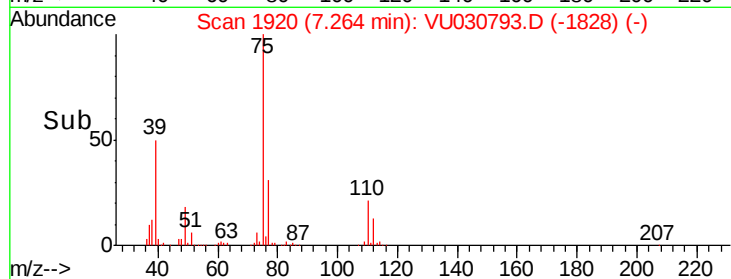
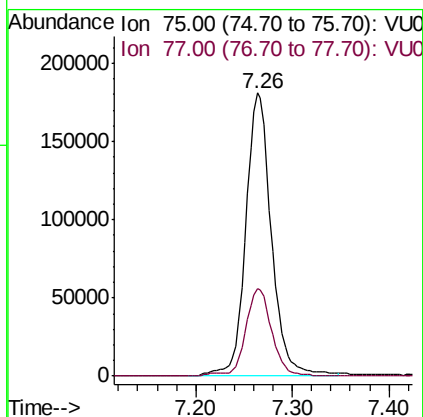
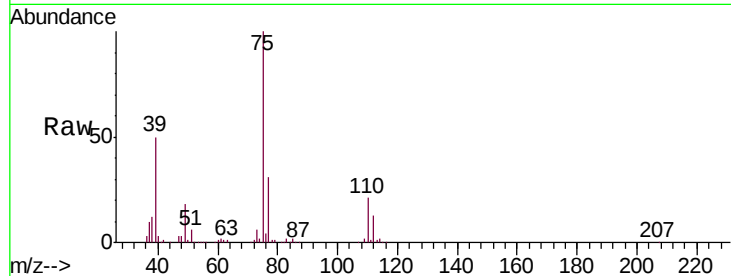




#39
 cis-1,3-Dichloropropene
 Concen: 51.715 ug/L
 RT: 7.26 min Scan# 1920
 Delta R.T. -0.00 min
 Lab File: VU030793.D
 Acq: 06 Apr 2019 12:25

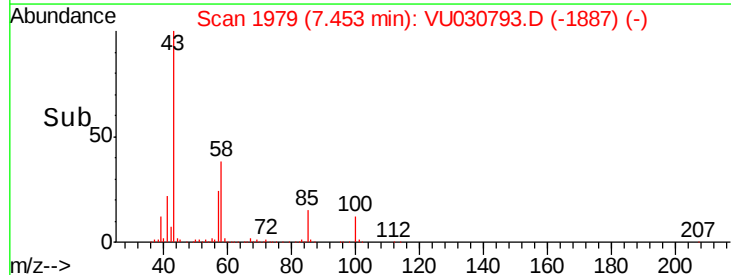
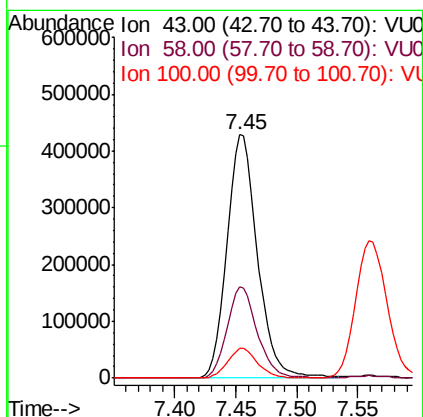
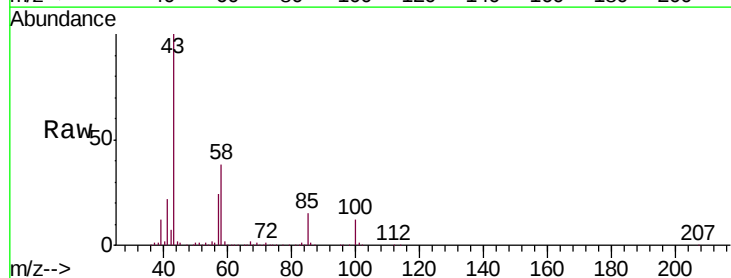
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD05053

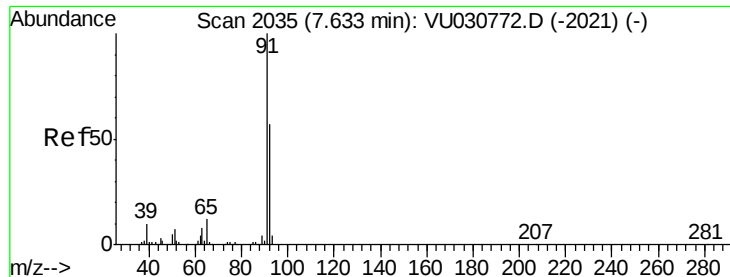
Tgt Ion: 75 Resp: 333483
 Ion Ratio Lower Upper
 75 100
 77 31.0 23.1 42.9



#40
 4-Methyl-2-pentanone
 Concen: 103.026 ug/L
 RT: 7.45 min Scan# 1979
 Delta R.T. -0.00 min
 Lab File: VU030793.D
 Acq: 06 Apr 2019 12:25

Tgt Ion: 43 Resp: 750594
 Ion Ratio Lower Upper
 43 100
 58 37.2 29.7 44.5
 100 12.2 9.8 14.6





#42

Toluene

Concen: 52.608 ug/L

RT: 7.63 min Scan# 2034

Delta R.T. -0.00 min

Lab File: VU030793.D

Acq: 06 Apr 2019 12:25

Instrument :

MSVOA_U

ClientSampleId :

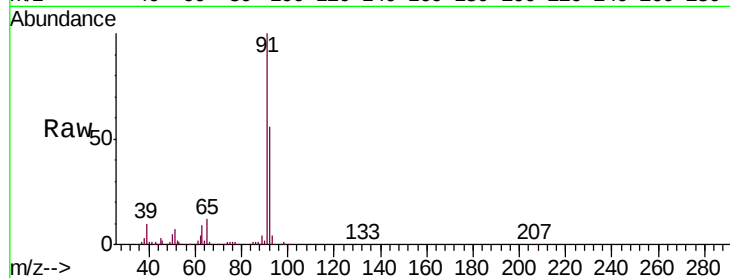
VSTD05053

Tgt Ion: 91 Resp: 859197

Ion Ratio Lower Upper

91 100

92 55.5 40.0 74.4



Abundance Ion 91.00 (90.70 to 91.70): VU030793.D (-1942) (-)

Ion 92.00 (91.70 to 92.70): VU030793.D (-1942) (-)

7.63

500000

400000

300000

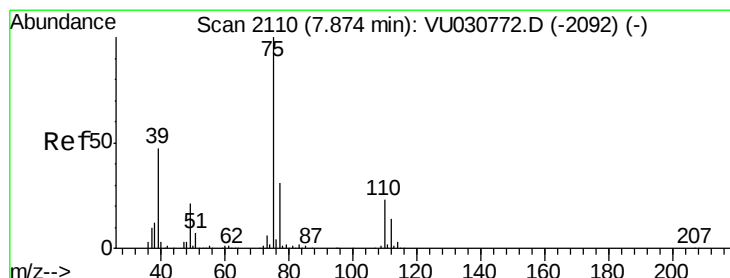
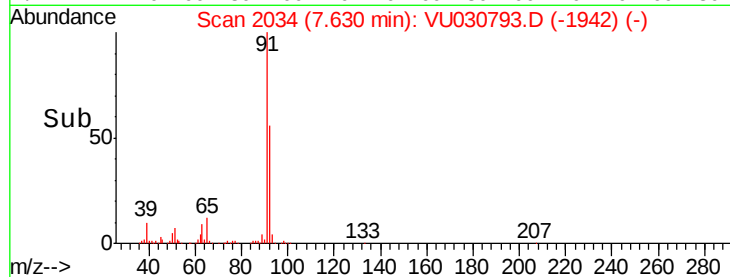
200000

100000

0

7.60 7.70

Time-->



#44

trans-1,3-Dichloropropene

Concen: 52.955 ug/L

RT: 7.87 min Scan# 2110

Delta R.T. 0.00 min

Lab File: VU030793.D

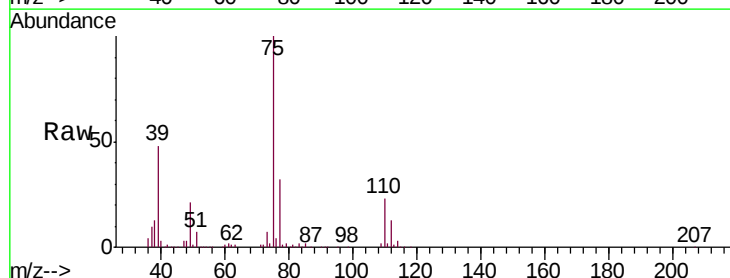
Acq: 06 Apr 2019 12:25

Tgt Ion: 75 Resp: 300936

Ion Ratio Lower Upper

75 100

77 32.2 21.6 40.0



Abundance Ion 75.00 (74.70 to 75.70): VU030793.D (-2017) (-)

Ion 77.00 (76.70 to 77.70): VU030793.D (-2017) (-)

7.87

200000

150000

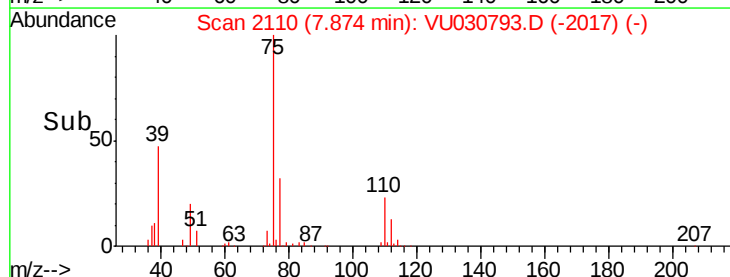
100000

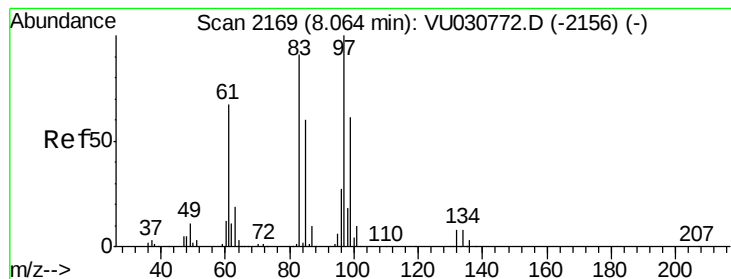
50000

0

7.80 7.85 7.90 7.95

Time-->





#45

1,1,2-Trichloroethane

Concen: 50.899 ug/L

RT: 8.06 min Scan# 2168

Delta R.T. -0.00 min

Lab File: VU030793.D

Acq: 06 Apr 2019 12:25

Instrument :

MSVOA_U

ClientSampleId :

VSTD05053

Tgt Ion: 97 Resp: 195573

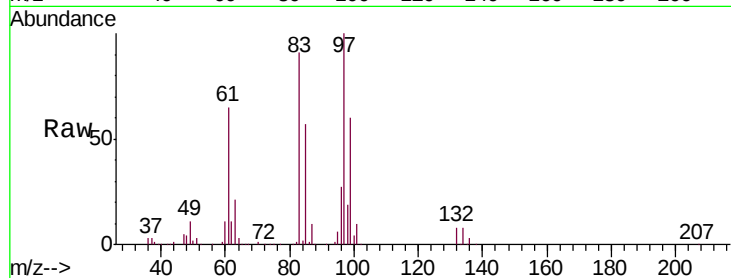
Ion Ratio Lower Upper

97 100

99 60.0 44.0 81.8

83 91.3 65.3 121.3

85 57.2 42.5 78.9

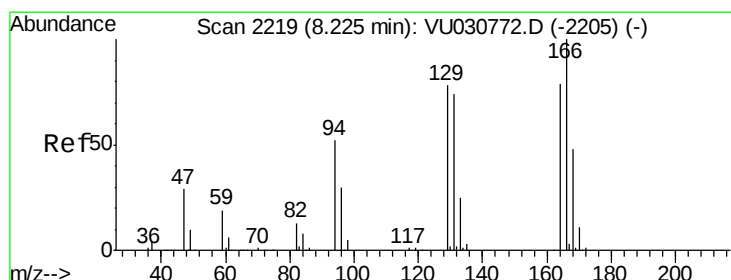
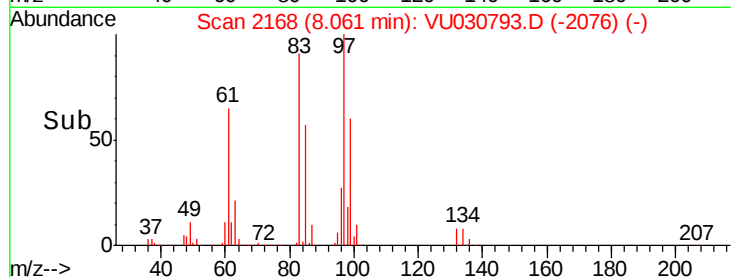
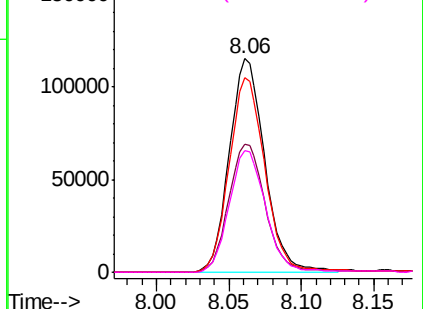


Abundance Ion 97.00 (96.70 to 97.70): VU0

Ion 99.00 (98.70 to 99.70): VU0

Ion 83.00 (82.70 to 83.70): VU0

Ion 85.00 (84.70 to 85.70): VU0



#46

Tetrachloroethene

Concen: 50.229 ug/L

RT: 8.22 min Scan# 2218

Delta R.T. -0.00 min

Lab File: VU030793.D

Acq: 06 Apr 2019 12:25

Tgt Ion: 164 Resp: 143306

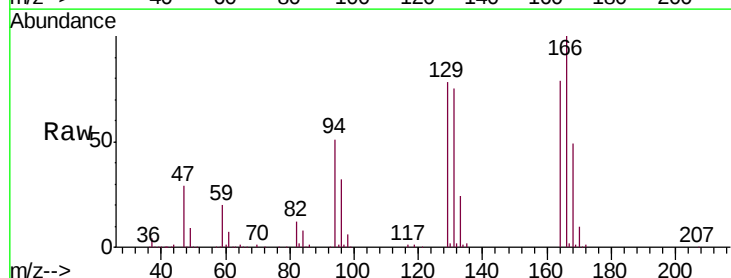
Ion Ratio Lower Upper

164 100

129 98.9 67.4 125.2

131 95.1 65.9 122.5

166 127.0 88.6 164.6

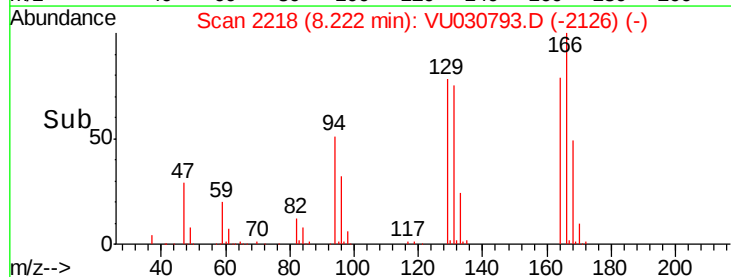
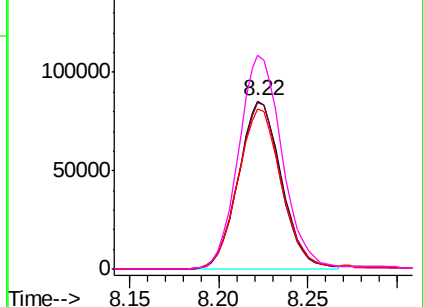


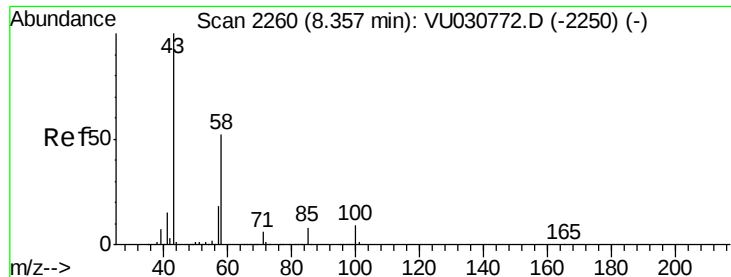
Abundance Ion 164.00 (163.70 to 164.70): V

Ion 129.00 (128.70 to 129.70): V

Ion 131.00 (130.70 to 131.70): V

Ion 166.00 (165.70 to 166.70): V

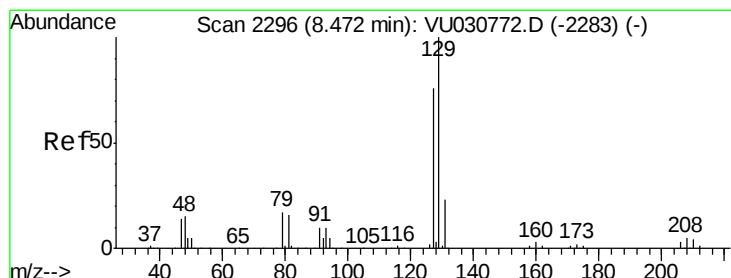
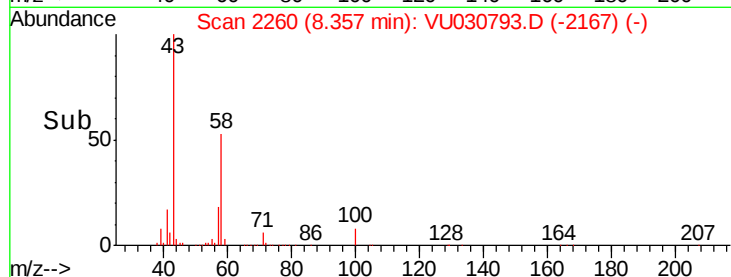
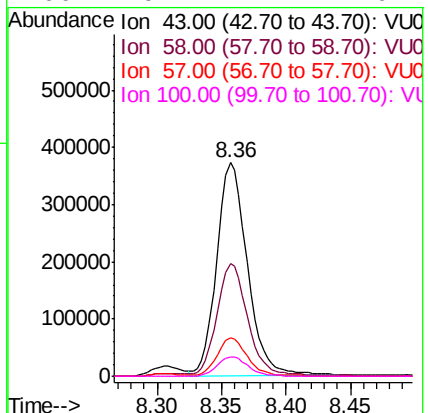
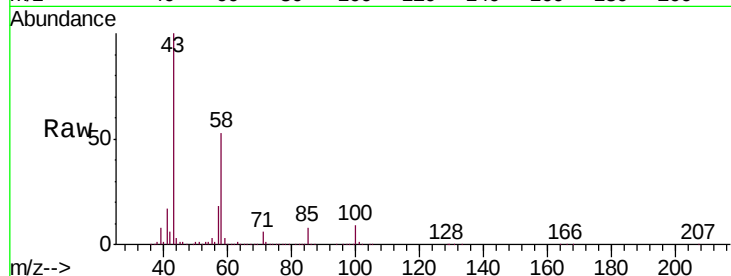




#48
2-Hexanone
Concen: 107.839 ug/L
RT: 8.36 min Scan# 2260
Delta R.T. 0.00 min
Lab File: VU030793.D
Acq: 06 Apr 2019 12:25

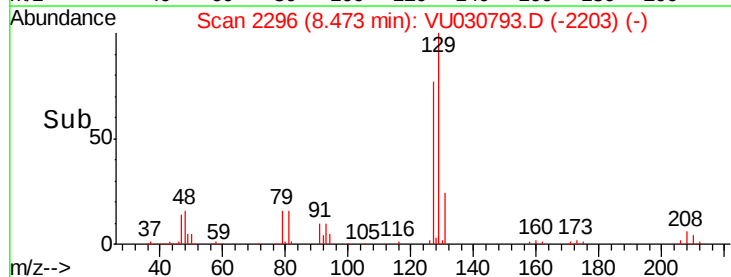
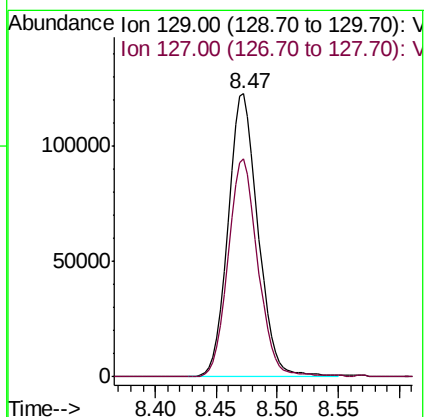
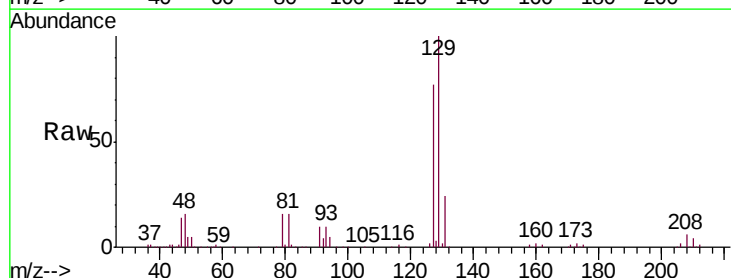
Instrument :
MSVOA_U
ClientSampleId :
VSTD05053

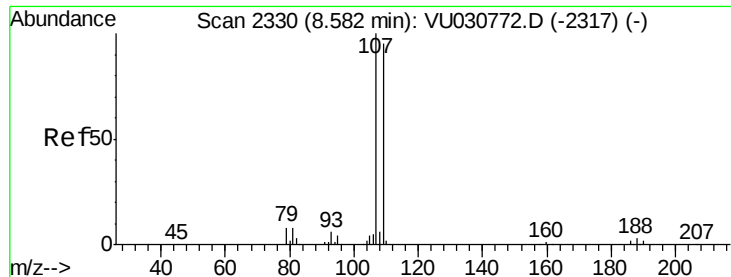
Tgt Ion: 43 Resp: 612960
Ion Ratio Lower Upper
43 100
58 53.4 41.9 62.9
57 17.8 14.3 21.5
100 9.4 7.1 10.7



#49
Dibromochloromethane
Concen: 51.748 ug/L
RT: 8.47 min Scan# 2296
Delta R.T. 0.00 min
Lab File: VU030793.D
Acq: 06 Apr 2019 12:25

Tgt Ion: 129 Resp: 210985
Ion Ratio Lower Upper
129 100
127 77.3 54.5 101.3

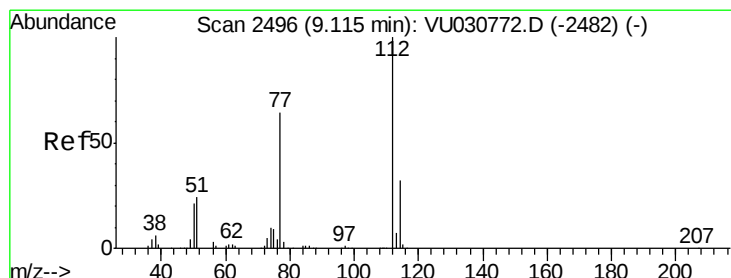
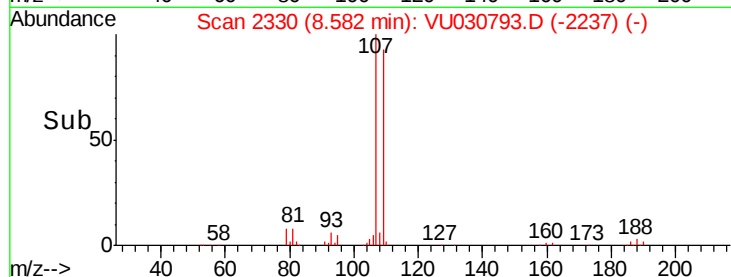
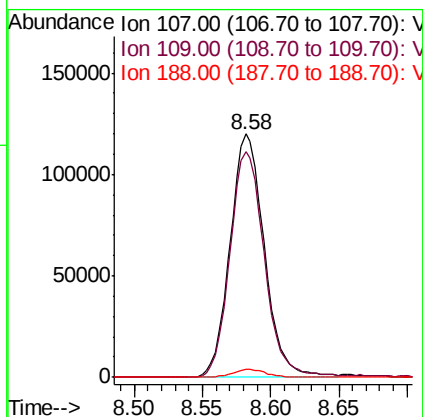
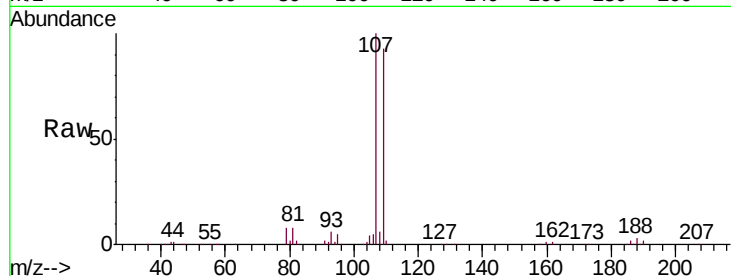




#50
1,2-Dibromoethane
Concen: 50.361 ug/L
RT: 8.58 min Scan# 2330
Delta R.T. 0.00 min
Lab File: VU030793.D
Acq: 06 Apr 2019 12:25

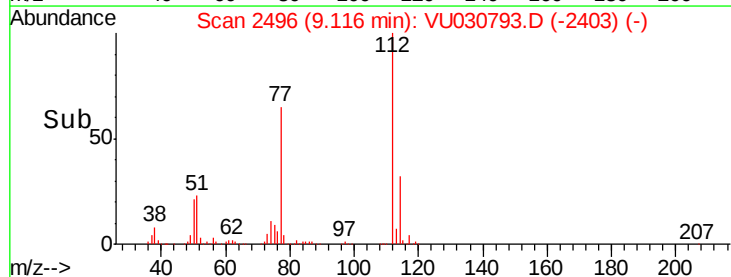
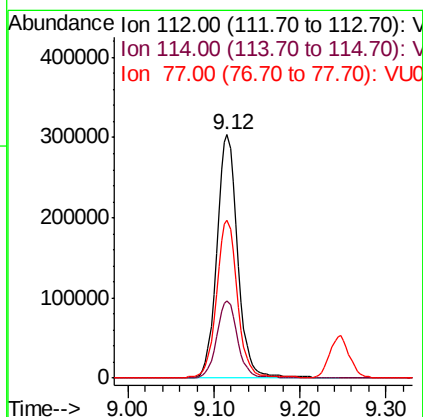
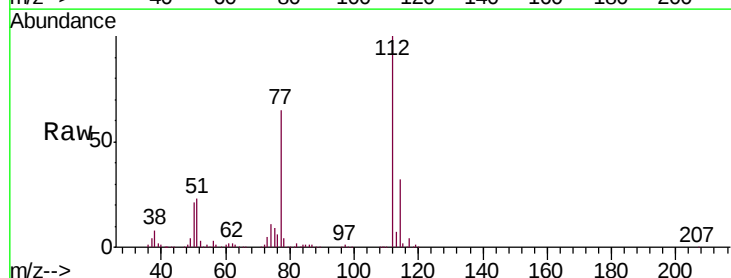
Instrument :
MSVOA_U
ClientSampleId :
VSTD05053

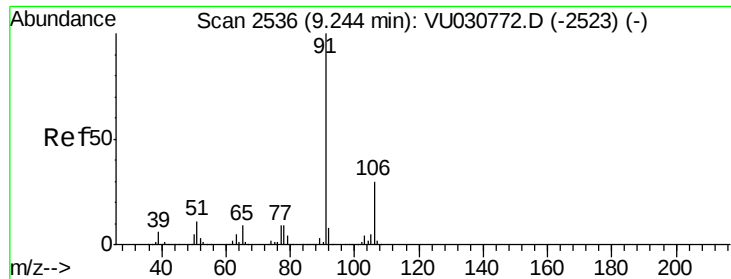
Tgt Ion:107 Resp: 209388
Ion Ratio Lower Upper
107 100
109 92.9 66.4 123.2
188 3.3 2.6 4.0



#51
Chlorobenzene
Concen: 51.037 ug/L
RT: 9.12 min Scan# 2496
Delta R.T. 0.00 min
Lab File: VU030793.D
Acq: 06 Apr 2019 12:25

Tgt Ion:112 Resp: 511230
Ion Ratio Lower Upper
112 100
114 31.8 22.2 41.2
77 64.9 51.7 77.5





#52

Ethylbenzene

Concen: 51.592 ug/L

RT: 9.24 min Scan# 2536

Delta R.T. 0.00 min

Lab File: VU030793.D

Acq: 06 Apr 2019 12:25

Instrument :

MSVOA_U

ClientSampleId :

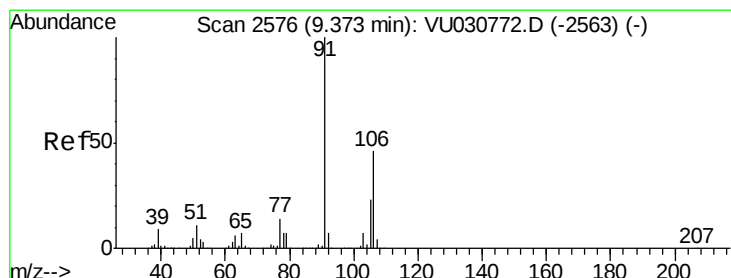
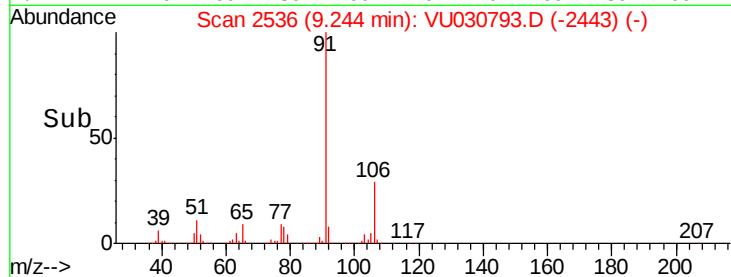
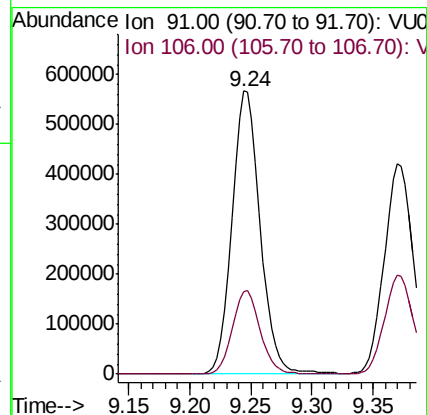
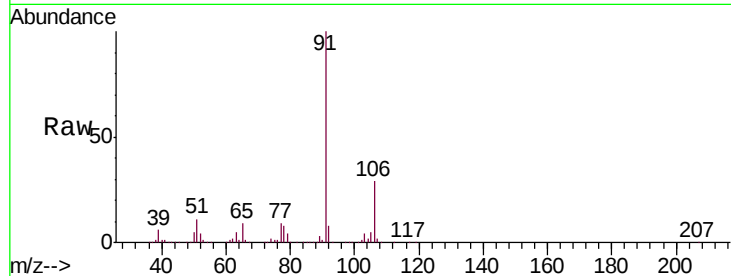
VSTD05053

Tgt Ion: 91 Resp: 918472

Ion Ratio Lower Upper

91 100

106 29.3 20.4 37.8



#53

m,p-Xylene

Concen: 52.656 ug/L

RT: 9.37 min Scan# 2575

Delta R.T. -0.00 min

Lab File: VU030793.D

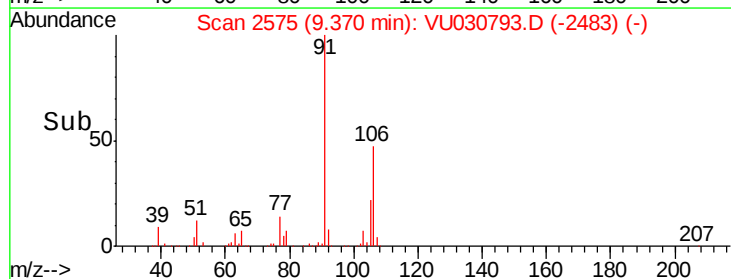
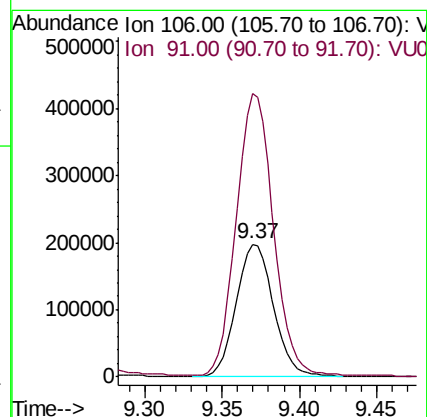
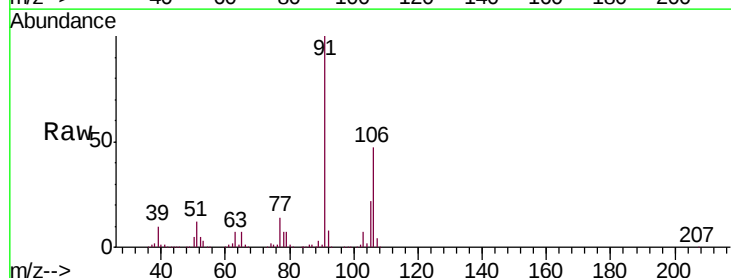
Acq: 06 Apr 2019 12:25

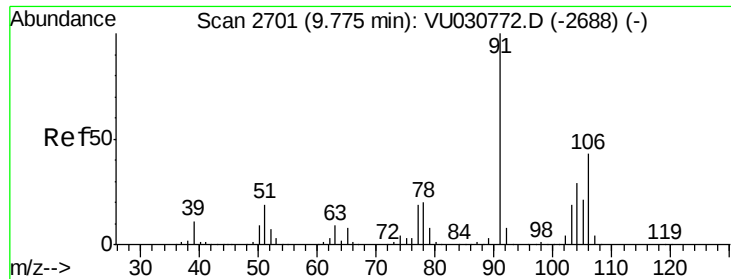
Tgt Ion: 106 Resp: 326939

Ion Ratio Lower Upper

106 100

91 213.0 148.0 274.8

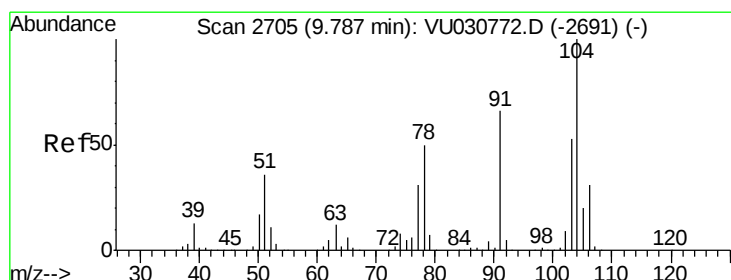
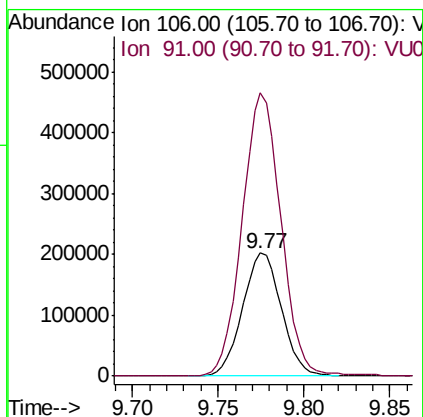
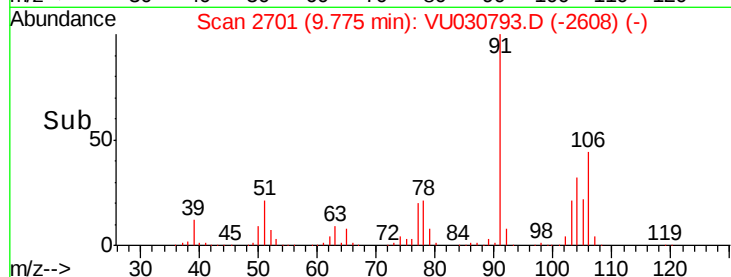
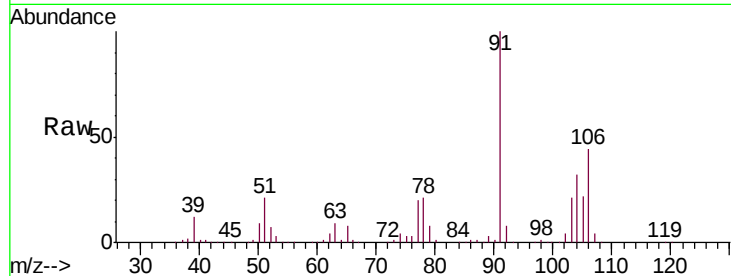




#54
o-xylene
Concen: 51.340 ug/L
RT: 9.77 min Scan# 2701
Delta R.T. 0.00 min
Lab File: VU030793.D
Acq: 06 Apr 2019 12:25

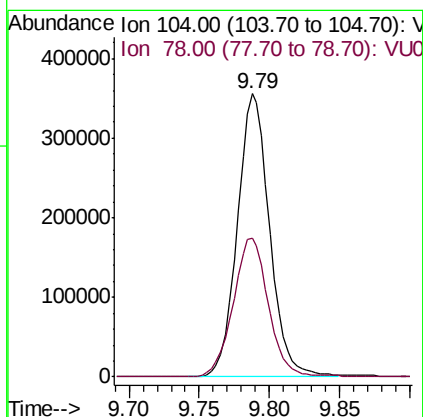
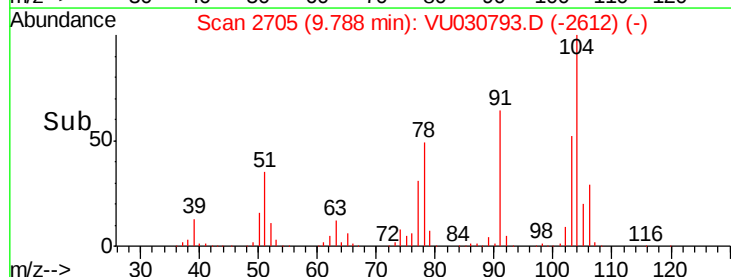
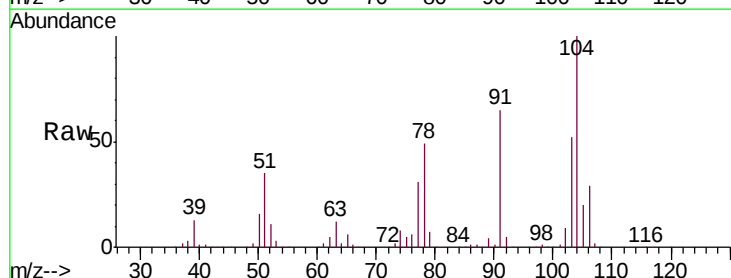
Instrument :
MSVOA_U
ClientSampleId :
VSTD05053

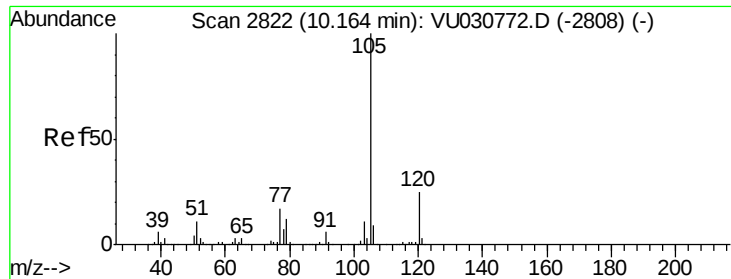
Tgt Ion:106 Resp: 317070
Ion Ratio Lower Upper
106 100
91 229.7 156.7 290.9



#55
Styrene
Concen: 53.849 ug/L
RT: 9.79 min Scan# 2705
Delta R.T. 0.00 min
Lab File: VU030793.D
Acq: 06 Apr 2019 12:25

Tgt Ion:104 Resp: 570443
Ion Ratio Lower Upper
104 100
78 49.2 35.1 65.1





#56

Isopropylbenzene

Concen: 52.920 ug/L

RT: 10.16 min Scan# 2822

Delta R.T. 0.00 min

Lab File: VU030793.D

Acq: 06 Apr 2019 12:25

Instrument :

MSVOA_U

ClientSampleId :

VSTD05053

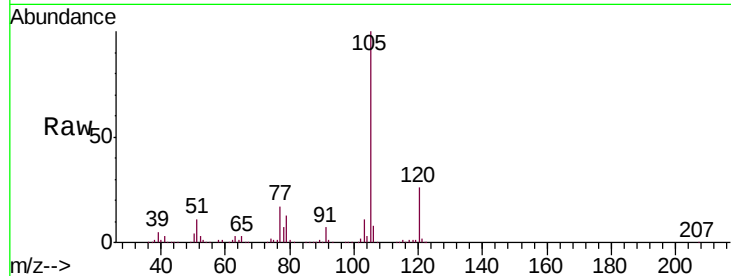
Tgt Ion:105 Resp: 860500

Ion Ratio Lower Upper

105 100

120 25.7 20.4 30.6

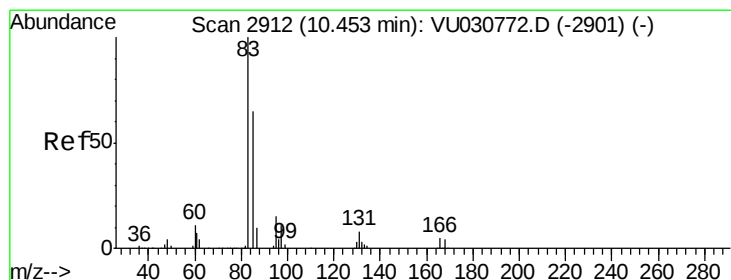
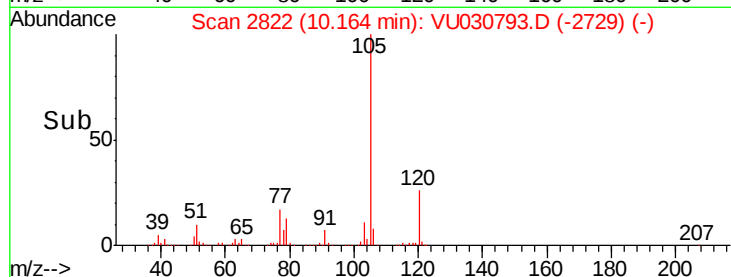
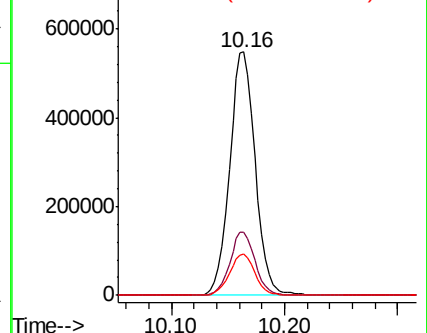
77 16.8 13.4 20.2



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

Ion 77.00 (76.70 to 77.70): V



#58

1,1,2,2-Tetrachloroethane

Concen: 50.806 ug/L

RT: 10.45 min Scan# 2912

Delta R.T. 0.00 min

Lab File: VU030793.D

Acq: 06 Apr 2019 12:25

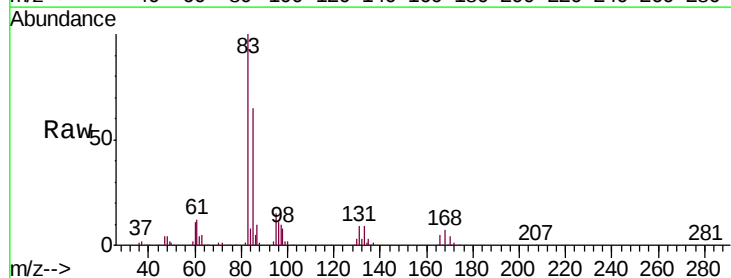
Tgt Ion: 83 Resp: 353101

Ion Ratio Lower Upper

83 100

85 65.2 45.3 84.1

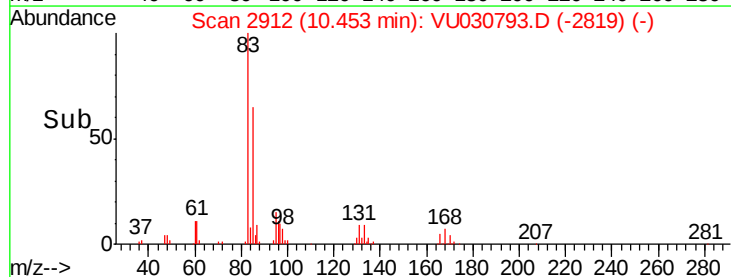
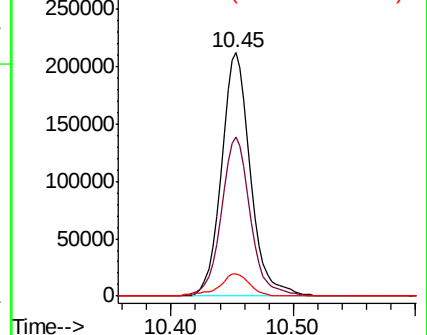
131 9.0 6.7 10.1

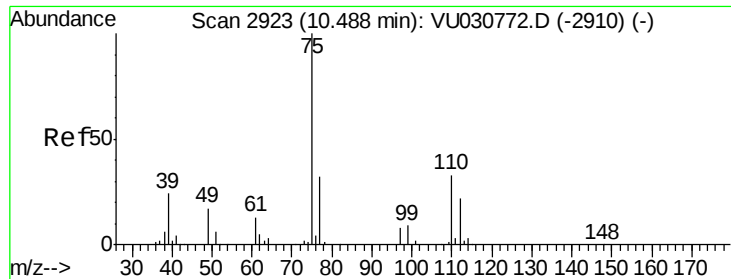


Abundance Ion 83.00 (82.70 to 83.70): V

Ion 85.00 (84.70 to 85.70): V

Ion 131.00 (130.70 to 131.70): V





#59

1,2,3-Trichloropropane

Concen: 51.305 ug/L

RT: 10.49 min Scan# 2923

Delta R.T. 0.00 min

Lab File: VU030793.D

Acq: 06 Apr 2019 12:25

Instrument :

MSVOA_U

ClientSampleId :

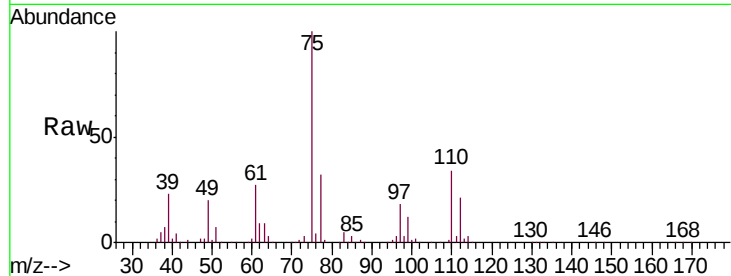
VSTD05053

Tgt Ion: 75 Resp: 278385

Ion Ratio Lower Upper

75 100

77 32.1 26.1 39.1



Abundance Ion 75.00 (74.70 to 75.70): VU030772.D (-2910) (-)

Ion 77.00 (76.70 to 77.70): VU030772.D (-2910) (-)

10.49

200000

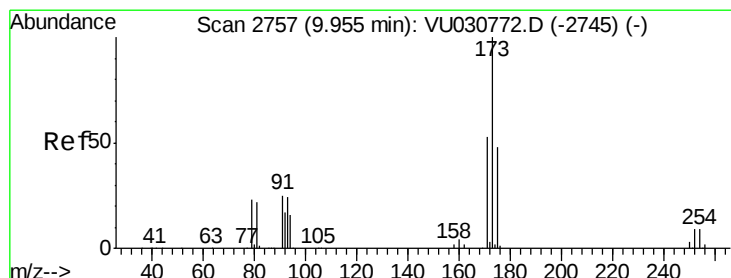
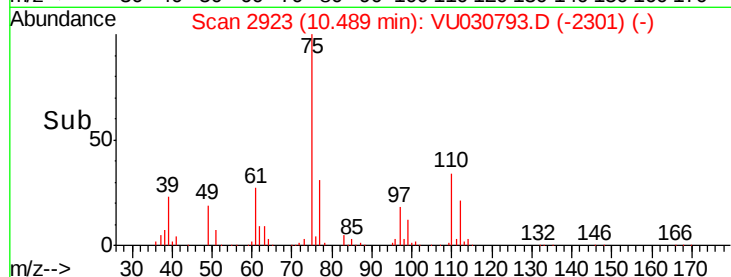
150000

100000

50000

0

Time-->



#61

Bromoform

Concen: 48.772 ug/L

RT: 9.95 min Scan# 2757

Delta R.T. 0.00 min

Lab File: VU030793.D

Acq: 06 Apr 2019 12:25

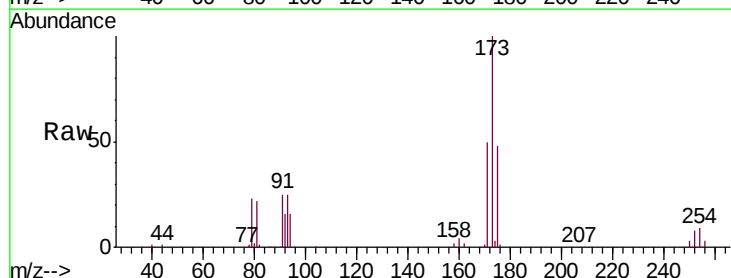
Tgt Ion: 173 Resp: 151554

Ion Ratio Lower Upper

173 100

175 48.5 39.1 58.7

254 8.1 7.3 10.9



Abundance Ion 173.00 (172.70 to 173.70): VU030772.D (-2745) (-)

Ion 175.00 (174.70 to 175.70): VU030772.D (-2745) (-)

Ion 254.00 (253.70 to 254.70): VU030772.D (-2745) (-)

9.95

120000

100000

80000

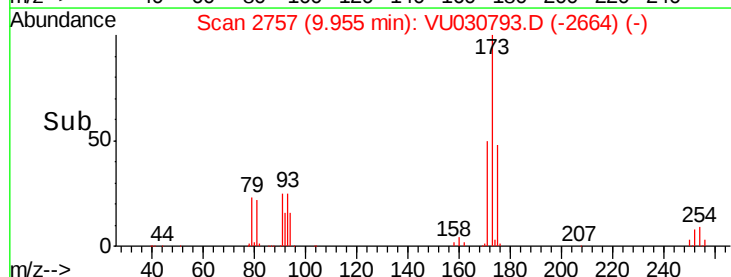
60000

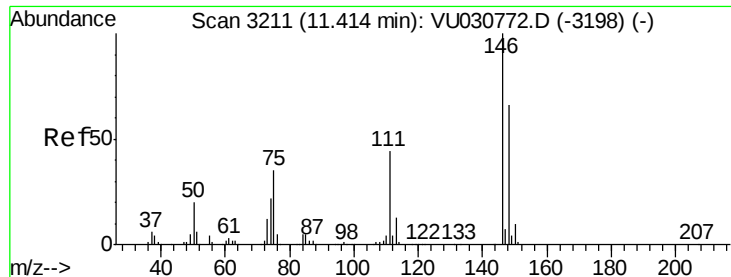
40000

20000

0

Time-->





#62

1,3-Dichlorobenzene

Concen: 49.043 ug/L

RT: 11.41 min Scan# 3211

Delta R.T. 0.00 min

Lab File: VU030793.D

Acq: 06 Apr 2019 12:25

Instrument :

MSVOA_U

ClientSampleId :

VSTD05053

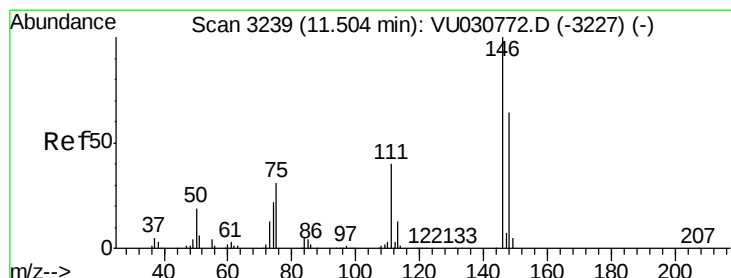
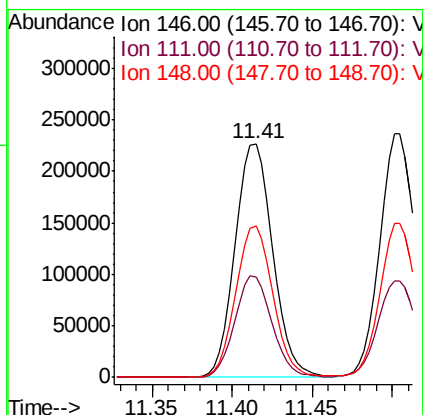
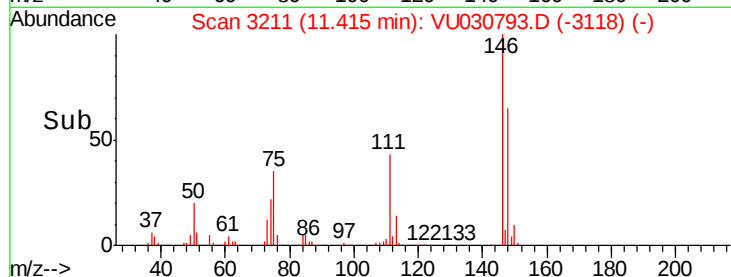
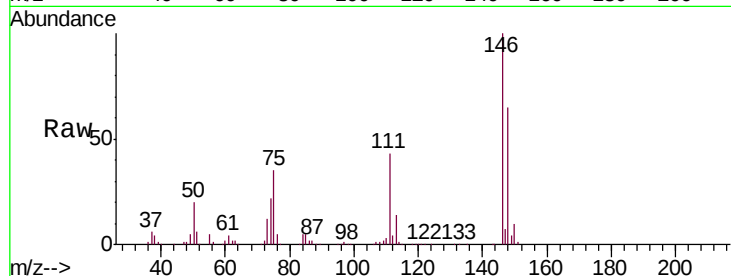
Tgt Ion:146 Resp: 364595

Ion Ratio Lower Upper

146 100

111 42.6 30.9 57.5

148 64.7 44.7 82.9



#63

1,4-Dichlorobenzene

Concen: 49.962 ug/L

RT: 11.50 min Scan# 3239

Delta R.T. 0.00 min

Lab File: VU030793.D

Acq: 06 Apr 2019 12:25

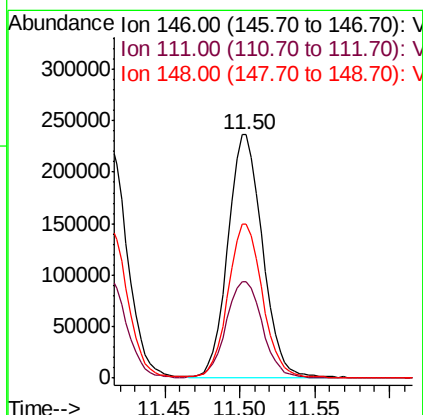
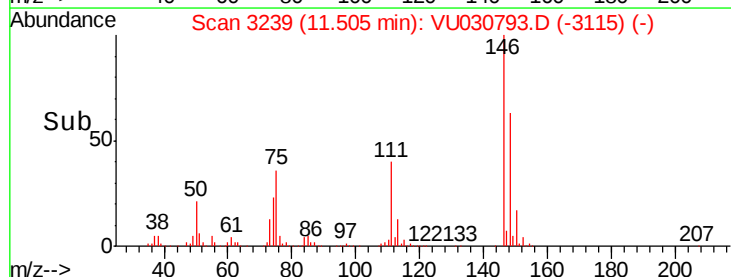
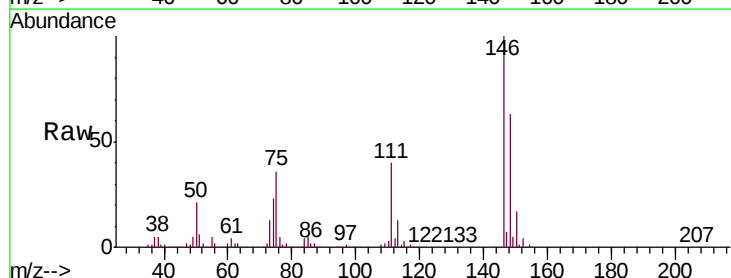
Tgt Ion:146 Resp: 377808

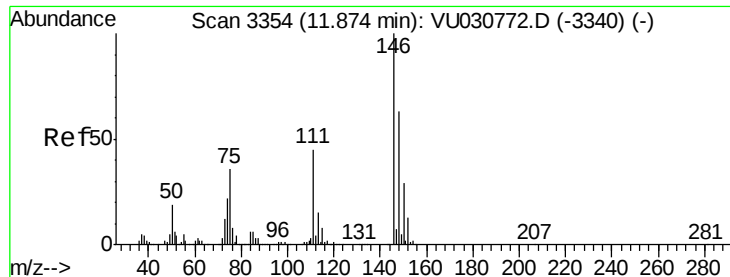
Ion Ratio Lower Upper

146 100

111 39.7 27.7 51.5

148 63.4 45.4 84.4

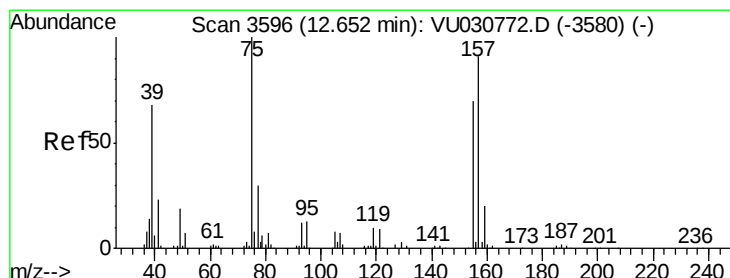
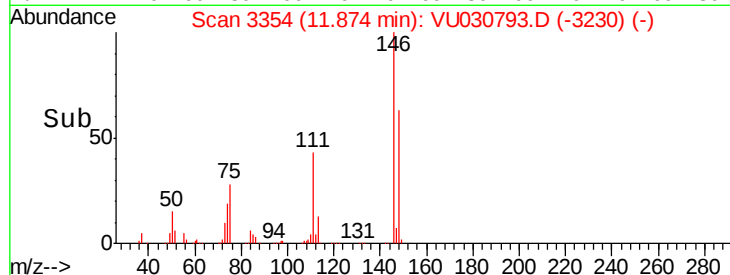
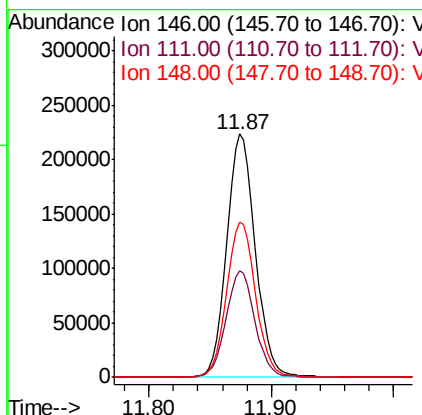
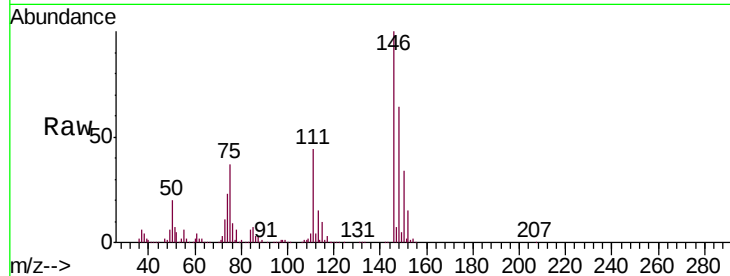




#65
 1,2-Dichlorobenzene
 Concen: 49.262 ug/L
 RT: 11.87 min Scan# 3354
 Delta R.T. 0.00 min
 Lab File: VU030793.D
 Acq: 06 Apr 2019 12:25

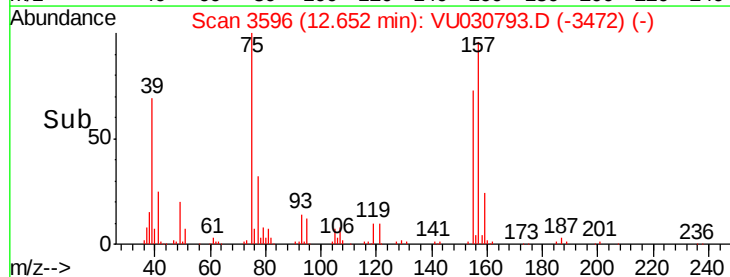
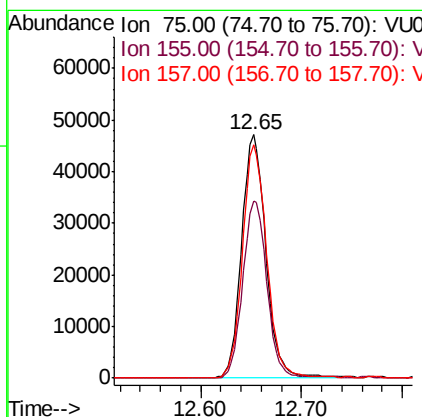
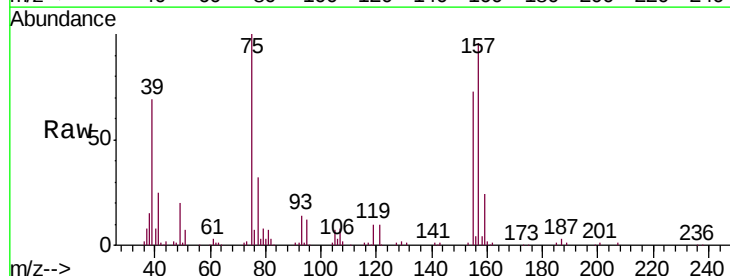
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD05053

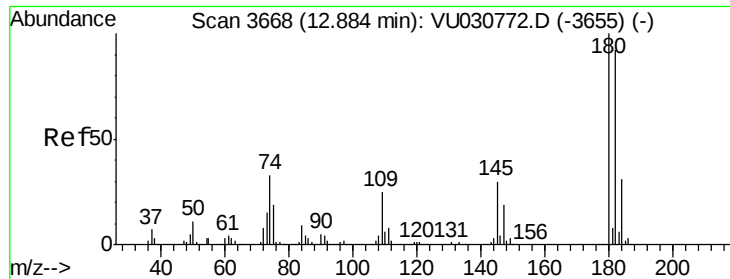
Tgt Ion	Ratio	Lower	Upper
146	100		
111	44.1	34.9	52.3
148	63.7	50.4	75.6



#66
 1,2-Dibromo-3-chloropropane
 Concen: 49.349 ug/L
 RT: 12.65 min Scan# 3596
 Delta R.T. 0.00 min
 Lab File: VU030793.D
 Acq: 06 Apr 2019 12:25

Tgt Ion	Ratio	Lower	Upper
75	100		
155	72.9	64.1	96.1
157	95.9	80.6	120.8

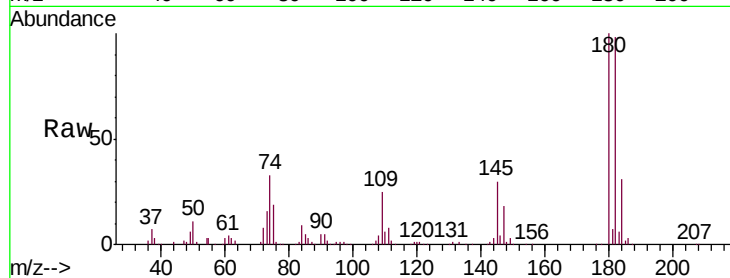




#67
 1,3,5-Trichlorobenzene
 Concen: 51.206 ug/L
 RT: 12.88 min Scan# 3668
 Delta R.T. 0.00 min
 Lab File: VU030793.D
 Acq: 06 Apr 2019 12:25

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD05053

Tgt Ion	Ratio	Lower	Upper
180	100		
182	95.1	78.3	117.5
184	30.0	24.7	37.1
145	30.6	24.2	36.4



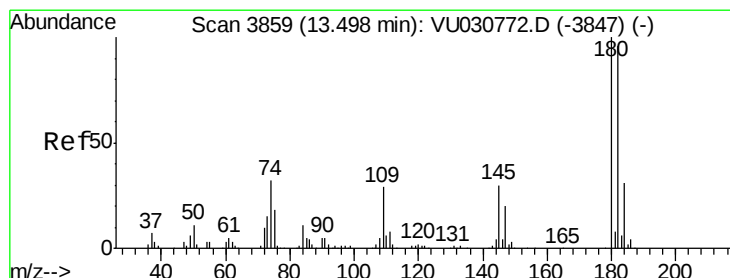
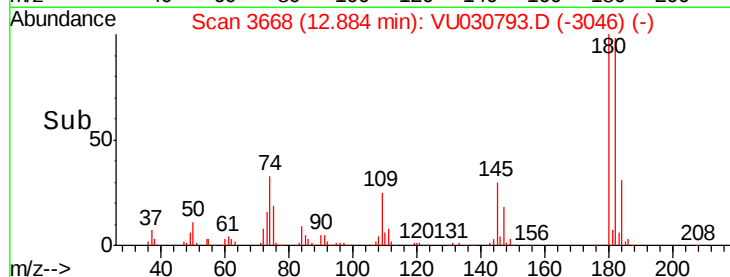
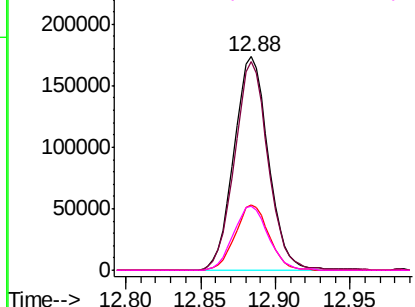
Abundance

Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

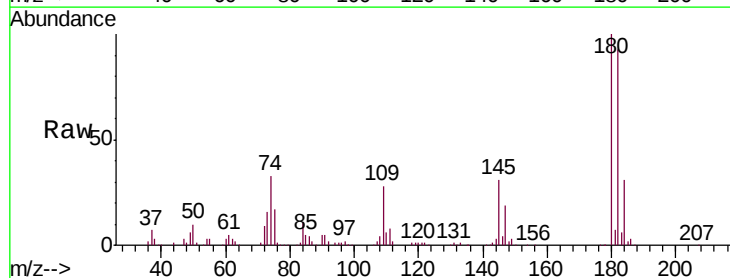
Ion 184.00 (183.70 to 184.70): V

Ion 145.00 (144.70 to 145.70): V



#68
 1,2,4-trichlorobenzene
 Concen: 50.896 ug/L
 RT: 13.50 min Scan# 3859
 Delta R.T. 0.00 min
 Lab File: VU030793.D
 Acq: 06 Apr 2019 12:25

Tgt Ion	Ratio	Lower	Upper
180	100		
182	93.8	76.7	115.1
145	30.1	24.4	36.6

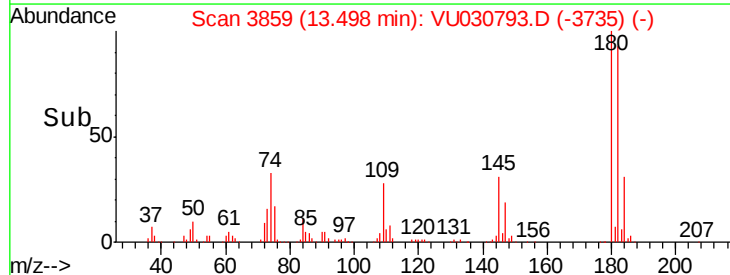
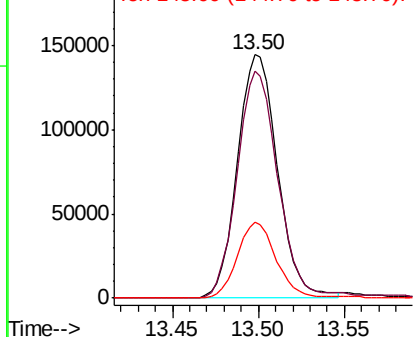


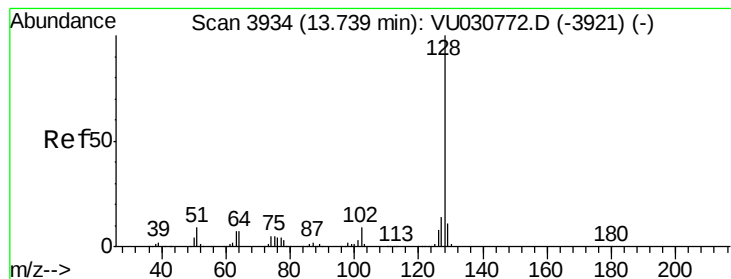
Abundance

Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

Ion 145.00 (144.70 to 145.70): V





#69

Naphthalene

Concen: 50.620 ug/L

RT: 13.74 min Scan# 3934

Delta R.T. 0.00 min

Lab File: VU030793.D

Acq: 06 Apr 2019 12:25

Instrument :

MSVOA_U

ClientSampleId :

VSTD05053

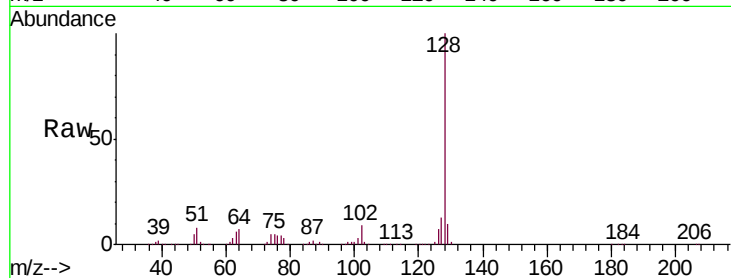
Tgt Ion:128 Resp: 758030

Ion Ratio Lower Upper

128 100

127 13.0 10.4 15.6

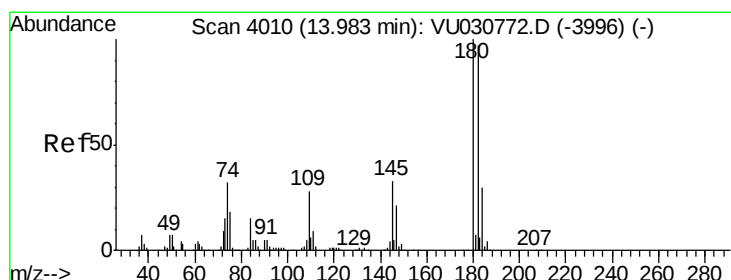
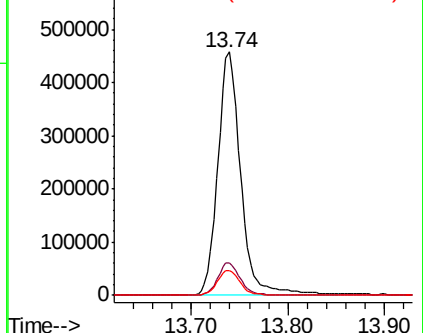
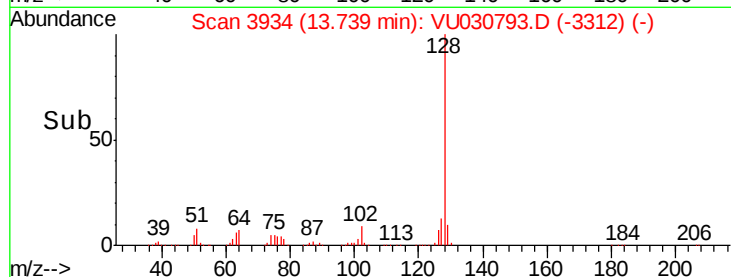
129 10.4 8.6 12.8



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#70

1,2,3-Trichlorobenzene

Concen: 51.451 ug/L

RT: 13.98 min Scan# 4010

Delta R.T. 0.00 min

Lab File: VU030793.D

Acq: 06 Apr 2019 12:25

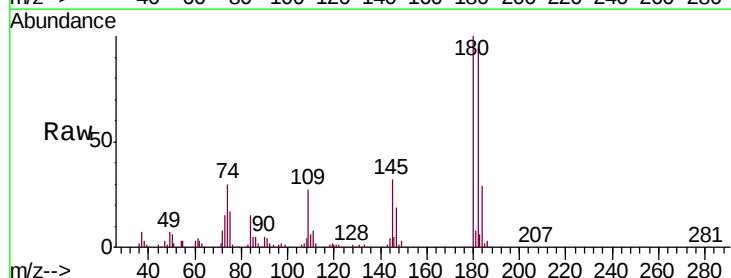
Tgt Ion:180 Resp: 248321

Ion Ratio Lower Upper

180 100

182 95.5 78.1 117.1

145 32.8 26.6 40.0



Abundance Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

Ion 145.00 (144.70 to 145.70): V

