

Data File : VU032187.D
Acq On : 21 May 2019 10:07
Operator : JC/SP
Sample : VSTD05053
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 5 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
VSTD05053

Quant Time: May 22 01:38:47 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM052119WMA.M
Quant Title : VOC Analysis
QLast Update : Wed May 22 01:34:46 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.88	114	826413	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.09	117	837922	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.48	152	410623	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.40	65	268376	38.86	ug/L	0.00
7) Chloroethane-d5	1.67	69	230191	40.94	ug/L	0.00
11) 1,1-Dichloroethene-d2	2.27	63	502660	40.27	ug/L	0.00
21) 2-Butanone-d5	4.17	46	341978	72.49	ug/L	0.00
24) Chloroform-d	4.64	84	522260	44.15	ug/L	0.00
26) 1,2-Dichloroethane-d4	5.30	65	313970	42.40	ug/L	0.00
32) Benzene-d6	5.33	84	1093168	46.06	ug/L	0.00
36) 1,2-Dichloropropane-d6	6.32	67	312755	40.66	ug/L	0.00
41) Toluene-d8	7.56	98	1040893	48.46	ug/L	0.00
43) trans-1,3-Dichloropropene-	7.85	79	154601	44.93	ug/L	0.00
47) 2-Hexanone-d5	8.31	63	306144	96.30	ug/L	0.00
57) 1,1,2,2-Tetrachloroethane-	10.43	84	494235	42.94	ug/L	0.00
64) 1,2-Dichlorobenzene-d4	11.85	152	418308	48.80	ug/L	0.00

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.20	85	323700	43.443	ug/L	100
3) Chloromethane	1.32	50	288786	36.012	ug/L	100
5) Vinyl chloride	1.40	62	323123	38.058	ug/L	100
6) Bromomethane	1.61	94	216029	46.455	ug/L	100
8) Chloroethane	1.69	64	190758	37.857	ug/L	100
9) Trichlorofluoromethane	1.88	101	443239	44.549	ug/L	100
10) 1,1,2-Trichloro-1,2,2-trif	2.28	101	272495	44.905	ug/L	100
12) 1,1-Dichloroethene	2.28	96	270392	44.957	ug/L	100
13) Acetone	2.32	43	332871	68.148	ug/L	100
14) Carbon disulfide	2.47	76	778348	40.749	ug/L	100
15) Methyl Acetate	2.61	43	237618	32.311	ug/L	100
16) Methylene chloride	2.69	84	305517	42.133	ug/L	100
17) trans-1,2-Dichloroethene	2.98	96	283369	45.292	ug/L	100
18) Methyl tert-butyl Ether	2.99	73	816839	43.083	ug/L	100
19) 1,1-Dichloroethane	3.44	63	472177	39.453	ug/L	100
20) cis-1,2-Dichloroethene	4.22	96	312053	45.269	ug/L	100
22) 2-Butanone	4.26	43	391491	70.389	ug/L	100
23) Bromochloromethane	4.54	128	169662	49.149	ug/L	100
25) Chloroform	4.67	83	520529	43.157	ug/L	100
27) 1,2-Dichloroethane	5.40	62	378662	41.047	ug/L	100
29) Cyclohexane	4.99	56	398589	40.753	ug/L	100
30) 1,1,1-Trichloroethane	4.91	97	432789	45.007	ug/L	100
31) Carbon tetrachloride	5.13	117	387609	47.753	ug/L	100
33) Benzene	5.38	78	1154094	43.214	ug/L	100
34) Trichloroethene	6.18	95	301763	44.917	ug/L	100
35) Methylcyclohexane	6.41	83	469534	45.894	ug/L	100
37) 1,2-Dichloropropane	6.43	63	278467	39.435	ug/L	100
38) Bromodichloromethane	6.75	83	388151	43.828	ug/L	100
39) cis-1,3-Dichloropropene	7.26	75	450846	44.358	ug/L	100
40) 4-Methyl-2-pentanone	7.45	43	662328	71.085	ug/L	100

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
42) Toluene	7.63	91	1306561	47.130	ug/L	100
44) trans-1,3-Dichloropropene	7.87	75	396723	44.319	ug/L	100
45) 1,1,2-Trichloroethane	8.06	97	303560	45.332	ug/L	100
46) Tetrachloroethene	8.22	164	254482	51.944	ug/L	100
48) 2-Hexanone	8.36	43	555306	73.283	ug/L	100
49) Dibromochloromethane	8.47	129	330434	48.519	ug/L	100
50) 1,2-Dibromoethane	8.58	107	325329	45.861	ug/L	100
51) Chlorobenzene	9.12	112	838762	47.025	ug/L	100
52) Ethylbenzene	9.24	91	1395319	46.947	ug/L	100
53) m,p-Xylene	9.37	106	556906	50.833	ug/L	100
54) o-xylene	9.77	106	559784	51.500	ug/L	100
55) Styrene	9.79	104	959590	51.535	ug/L	100
56) Isopropylbenzene	10.16	105	1400961	50.392	ug/L	100
58) 1,1,2,2-Tetrachloroethane	10.45	83	501068	42.072	ug/L	100
59) 1,2,3-Trichloropropane	10.49	75	383877	41.123	ug/L	100
61) Bromoform	9.95	173	256771	46.888	ug/L	100
62) 1,3-Dichlorobenzene	11.41	146	652883	48.636	ug/L	100
63) 1,4-Dichlorobenzene	11.50	146	667844	47.245	ug/L	100
65) 1,2-Dichlorobenzene	11.87	146	689392	48.512	ug/L	100
66) 1,2-Dibromo-3-chloropropan	12.65	75	105841	39.993	ug/L	100
67) 1,3,5-Trichlorobenzene	12.88	180	505284	51.884	ug/L	100
68) 1,2,4-trichlorobenzene	13.50	180	406231	54.228	ug/L	100
69) Naphthalene	13.74	128	1303399	53.379	ug/L	100
70) 1,2,3-Trichlorobenzene	13.98	180	456714	55.912	ug/L	100

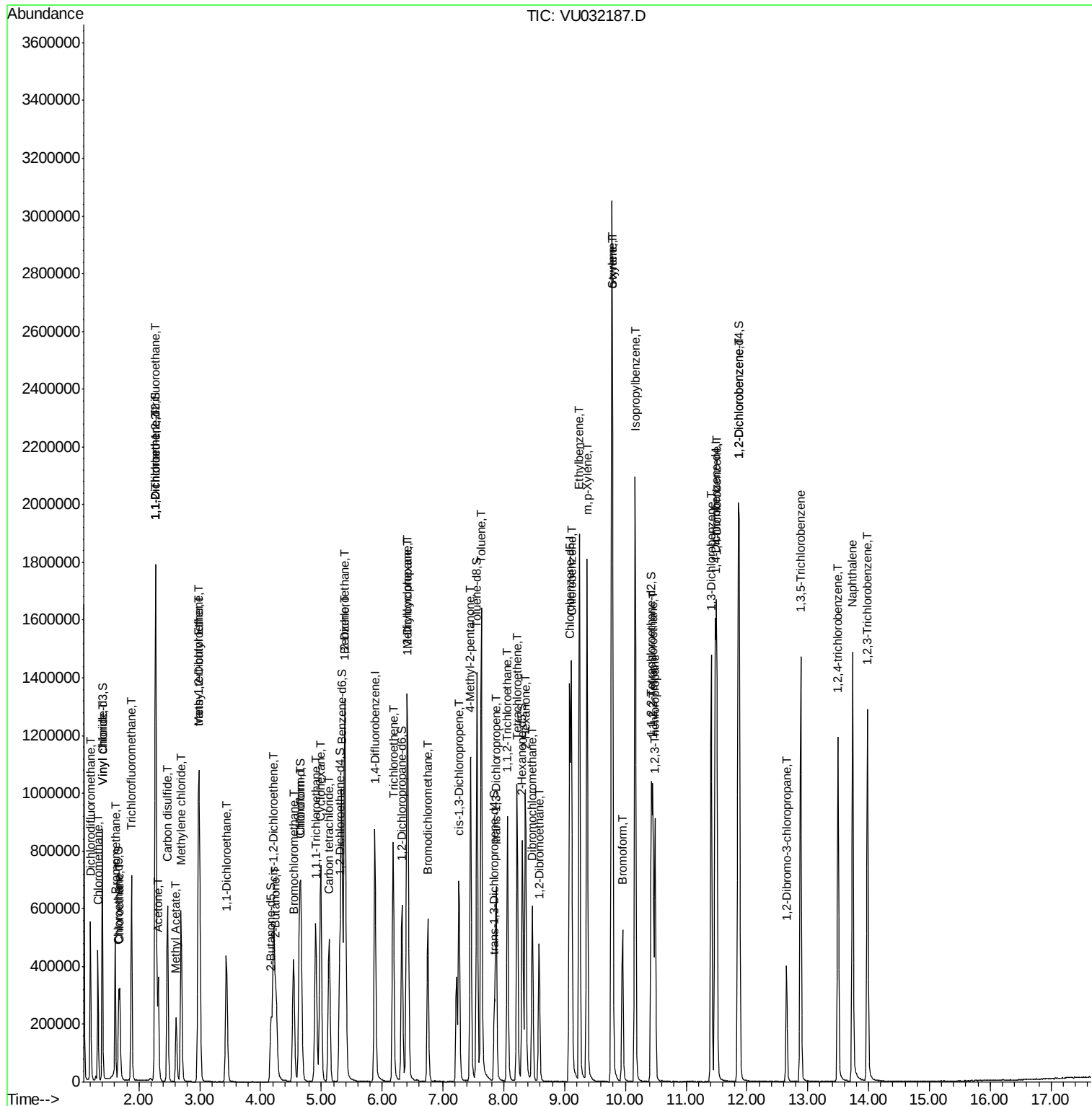
(#) = qualifier out of range (m) = manual integration (+) = signals summed

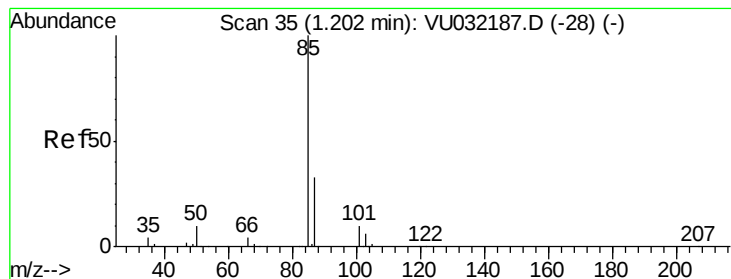
Data File : VU032187.D

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#2

Dichlorodifluoromethane

Concen: 43.443 ug/L

RT: 1.20 min Scan# 35

Delta R.T. 0.00 min

Lab File: VU032187.D

Acq: 21 May 2019 10:07

Instrument :

MSVOA_U

ClientSampleId :

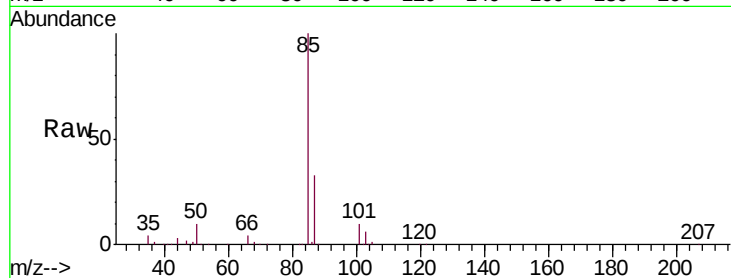
VSTD05053

Tgt Ion: 85 Resp: 323700

Ion Ratio Lower Upper

85 100

87 33.1 26.5 39.7



Abundance Ion 85.00 (84.70 to 85.70): VU032187.D (-28) (-)

Ion 87.00 (86.70 to 87.70): VU032187.D (-28) (-)

1.20

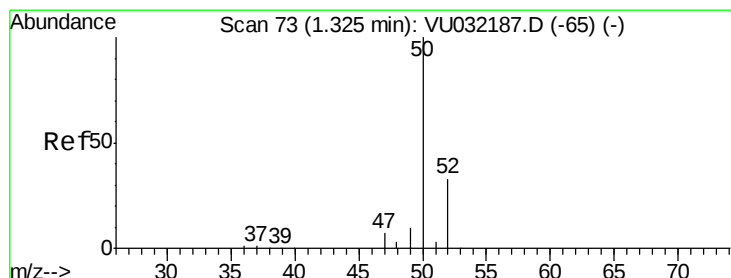
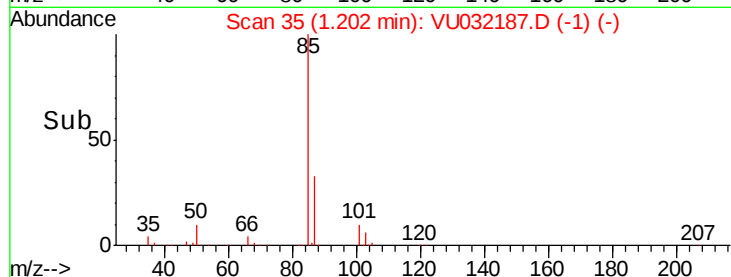
300000

200000

100000

0

Time-->



#3

Chloromethane

Concen: 36.012 ug/L

RT: 1.32 min Scan# 73

Delta R.T. 0.00 min

Lab File: VU032187.D

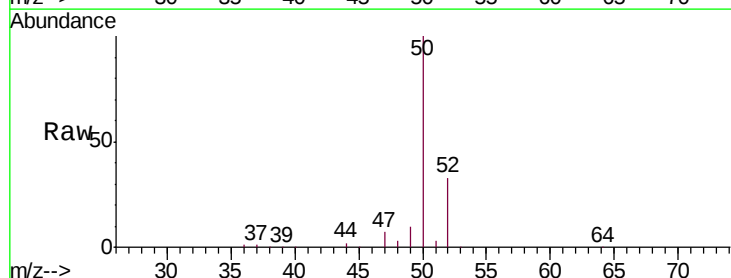
Acq: 21 May 2019 10:07

Tgt Ion: 50 Resp: 288786

Ion Ratio Lower Upper

50 100

52 33.0 23.1 42.9



Abundance Ion 50.00 (49.70 to 50.70): VU032187.D (-65) (-)

Ion 52.00 (51.70 to 52.70): VU032187.D (-65) (-)

1.32

300000

250000

200000

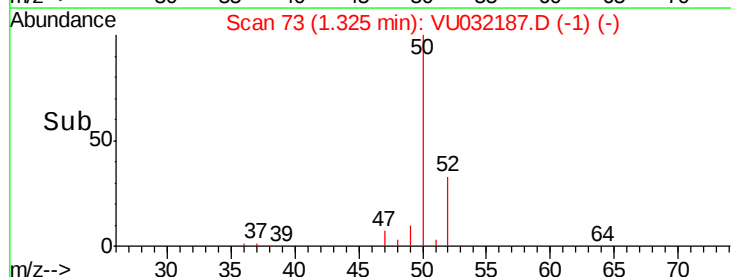
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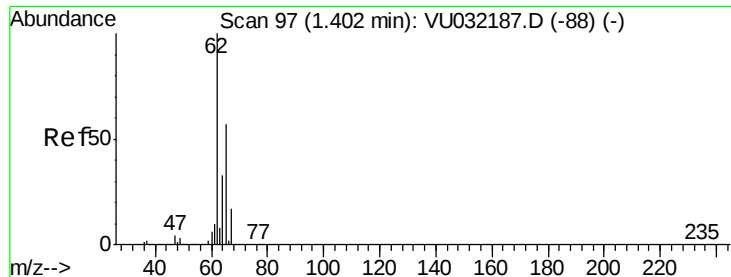
100000

50000

0

Time-->





#5

Vinyl chloride

Concen: 38.058 ug/L

RT: 1.40 min Scan# 97

Delta R.T. 0.00 min

Lab File: VU032187.D

Acq: 21 May 2019 10:07

Instrument :

MSVOA_U

ClientSampleId :

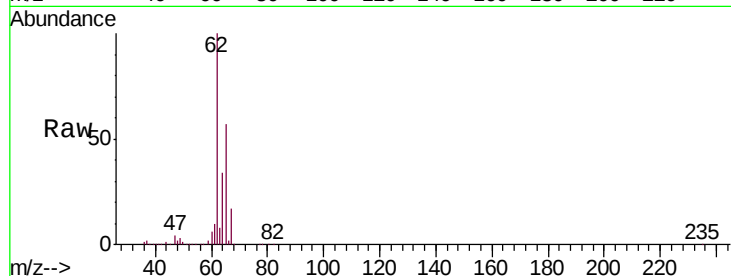
VSTD05053

Tgt Ion: 62 Resp: 323123

Ion Ratio Lower Upper

62 100

64 33.6 23.5 43.7



Abundance Ion 62.00 (61.70 to 62.70): VU032187.D (-88) (-)

Ion 64.00 (63.70 to 64.70): VU032187.D (-88) (-)

1.40

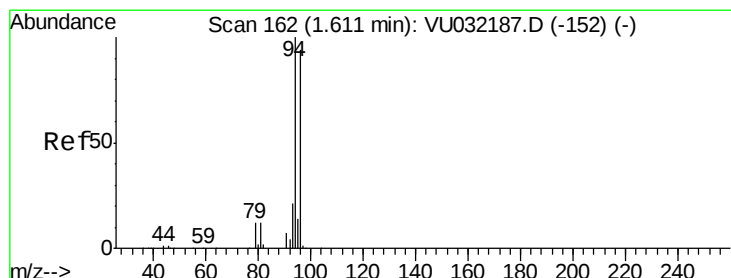
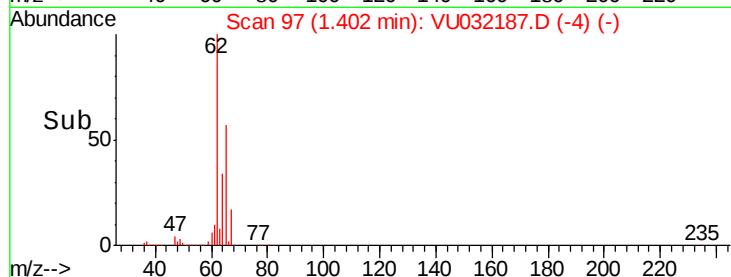
300000

200000

100000

0

Time-->



#6

Bromomethane

Concen: 46.455 ug/L

RT: 1.61 min Scan# 162

Delta R.T. 0.00 min

Lab File: VU032187.D

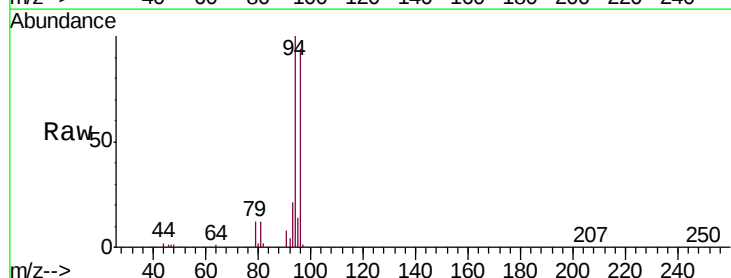
Acq: 21 May 2019 10:07

Tgt Ion: 94 Resp: 216029

Ion Ratio Lower Upper

94 100

96 94.0 65.8 122.2



Abundance Ion 94.00 (93.70 to 94.70): VU032187.D (-152) (-)

Ion 96.00 (95.70 to 96.70): VU032187.D (-152) (-)

1.61

200000

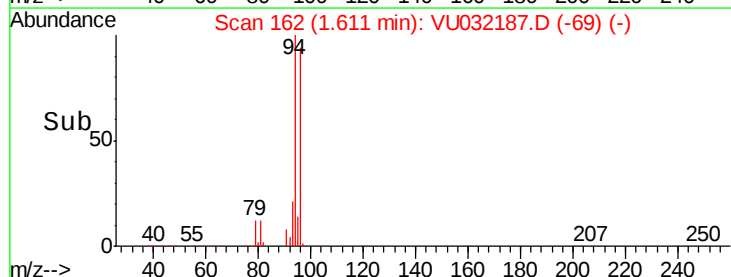
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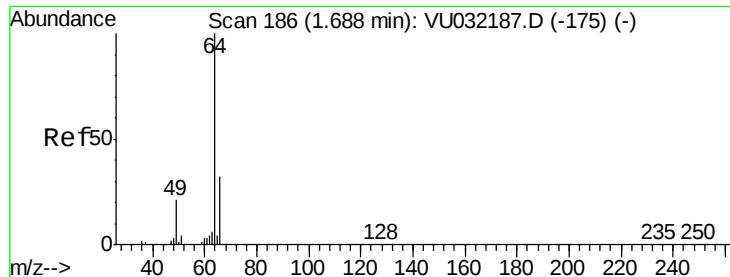
100000

50000

0

Time-->





#8

Chloroethane

Concen: 37.857 ug/L

RT: 1.69 min Scan# 186

Delta R.T. 0.00 min

Lab File: VU032187.D

Acq: 21 May 2019 10:07

Instrument :

MSVOA_U

ClientSampleId :

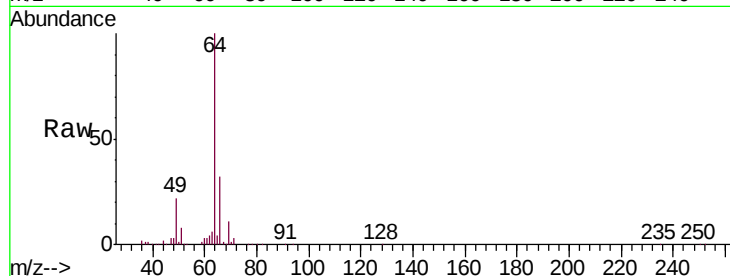
VSTD05053

Tgt Ion: 64 Resp: 190758

Ion Ratio Lower Upper

64 100

66 31.6 22.1 41.1



Abundance Ion 64.00 (63.70 to 64.70): VU032187.D (-175) (-)

Ion 66.00 (65.70 to 66.70): VU032187.D (-175) (-)

1.69

150000

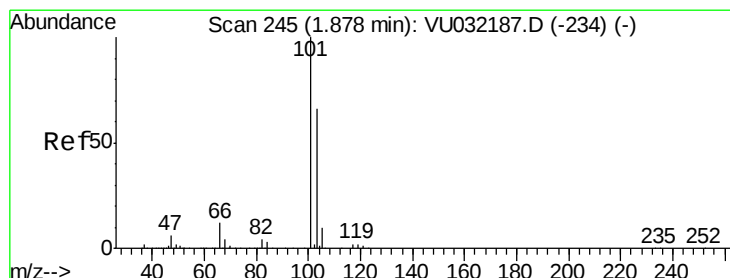
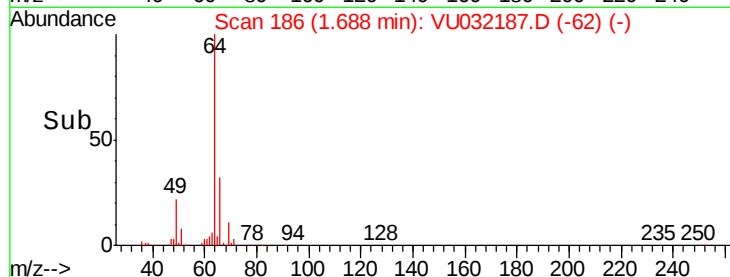
100000

50000

0

1.65 1.70 1.75

Time-->



#9

Trichlorofluoromethane

Concen: 44.549 ug/L

RT: 1.88 min Scan# 245

Delta R.T. 0.00 min

Lab File: VU032187.D

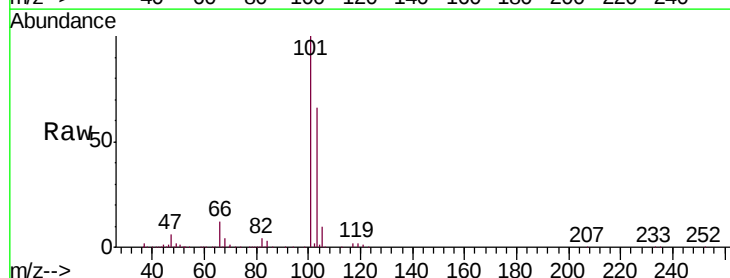
Acq: 21 May 2019 10:07

Tgt Ion: 101 Resp: 443239

Ion Ratio Lower Upper

101 100

103 65.6 52.5 78.7



Abundance Ion 101.00 (100.70 to 101.70): VU032187.D (-234) (-)

Ion 103.00 (102.70 to 103.70): VU032187.D (-234) (-)

1.88

300000

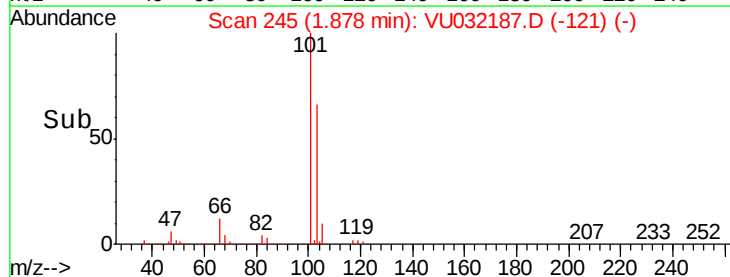
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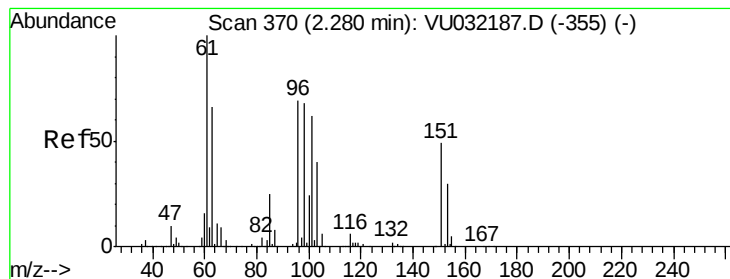
100000

0

1.80 1.85 1.90 1.95

Time-->





#10

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

Concen: 44.905 ug/L

RT: 2.28 min Scan# 370

Delta R.T. 0.00 min

Lab File: VU032187.D

Acq: 21 May 2019 10:07

Instrument :

MSVOA_U

ClientSampleId :

VSTD05053

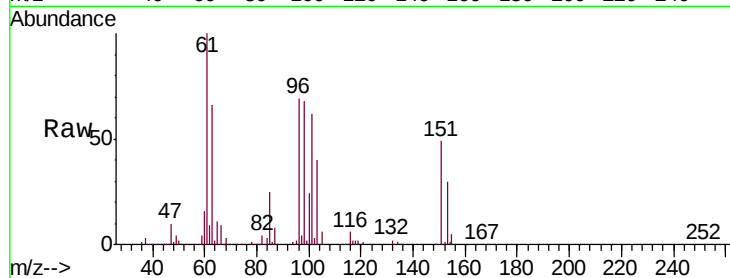
Tgt Ion:101 Resp: 272495

Ion Ratio Lower Upper

101 100

85 40.6 32.5 48.7

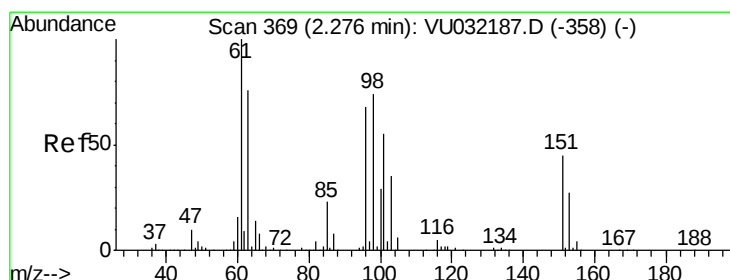
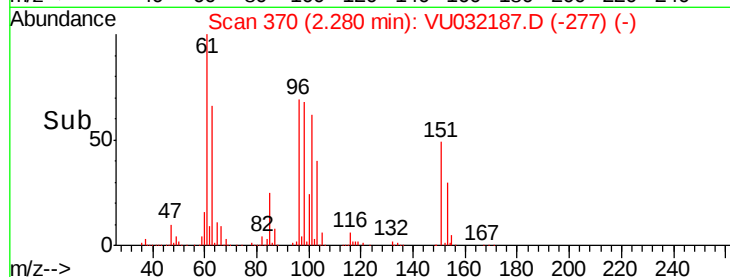
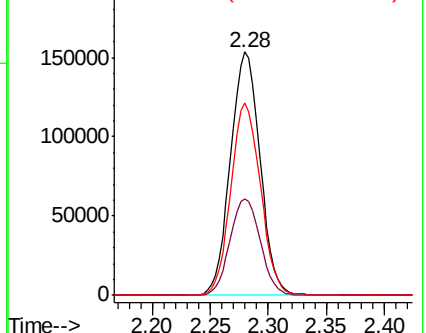
151 78.9 63.1 94.7



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: 44.957 ug/L

RT: 2.28 min Scan# 369

Delta R.T. 0.00 min

Lab File: VU032187.D

Acq: 21 May 2019 10:07

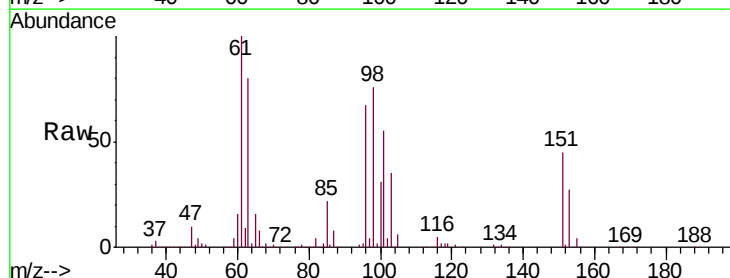
Tgt Ion: 96 Resp: 270392

Ion Ratio Lower Upper

96 100

61 148.2 103.7 192.7

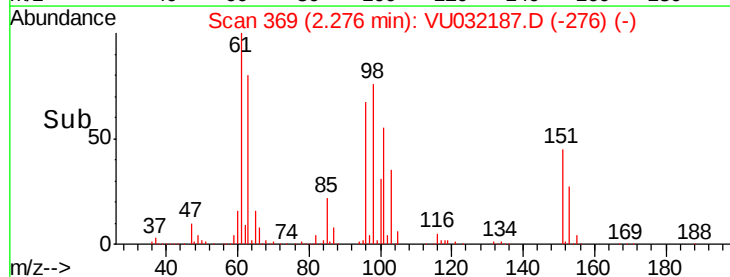
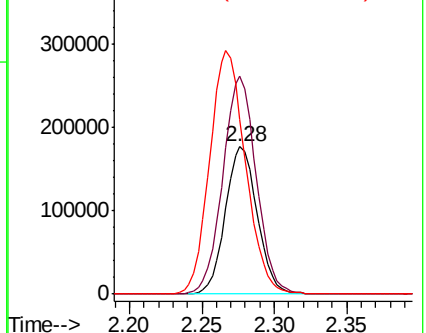
63 119.0 83.3 154.7

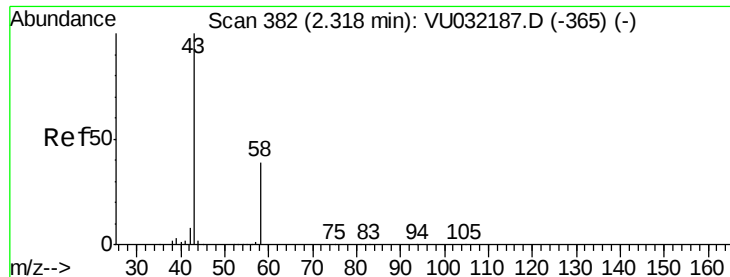


Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.00 (60.70 to 61.70): VU0

Ion 63.00 (62.70 to 63.70): VU0





#13

Acetone

Concen: 68.148 ug/L

RT: 2.32 min Scan# 382

Delta R.T. 0.00 min

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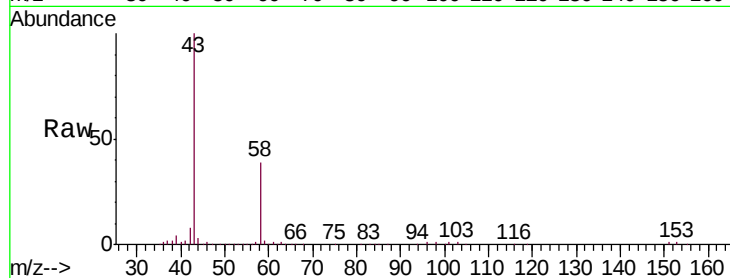
VSTD05053

Tgt Ion: 43 Resp: 332871

Ion Ratio Lower Upper

43 100

58 38.4 0.0 76.8



Abundance Ion 43.00 (42.70 to 43.70): VU032187.D (-365) (-)

Ion 58.00 (57.70 to 58.70): VU032187.D (-365) (-)

2.32

200000

150000

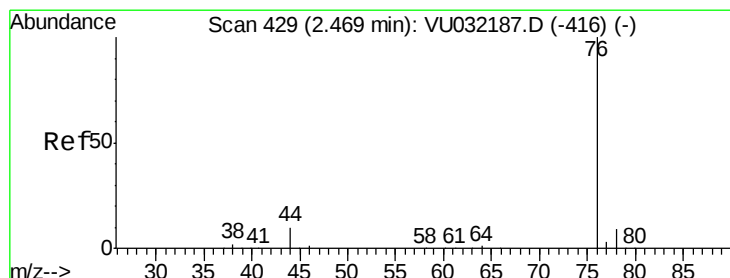
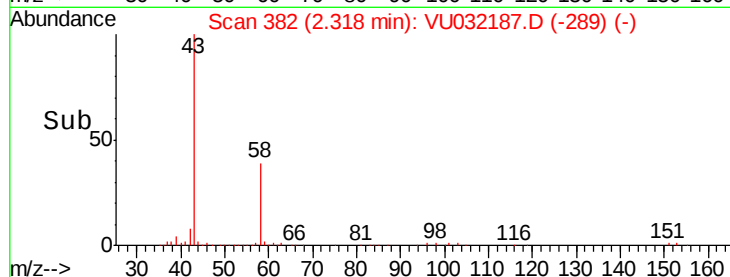
100000

50000

0

2.25 2.30 2.35 2.40

Time-->



#14

Carbon disulfide

Concen: 40.749 ug/L

RT: 2.47 min Scan# 429

Delta R.T. 0.00 min

Lab File: VU032187.D

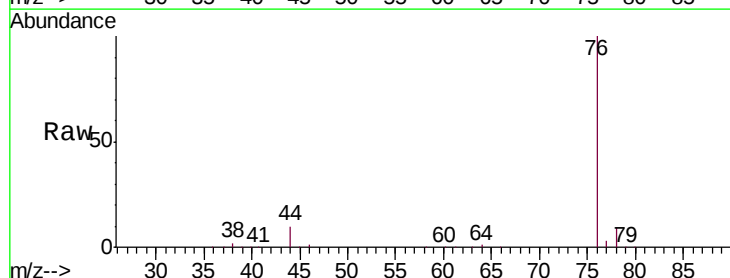
Acq: 21 May 2019 10:07

Tgt Ion: 76 Resp: 778348

Ion Ratio Lower Upper

76 100

78 9.2 7.4 11.0



Abundance Ion 76.00 (75.70 to 76.70): VU032187.D (-416) (-)

Ion 78.00 (77.70 to 78.70): VU032187.D (-416) (-)

2.47

500000

400000

300000

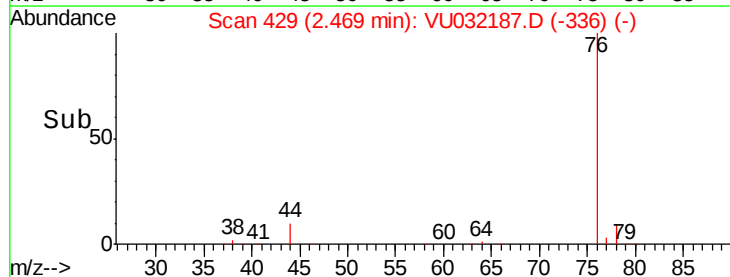
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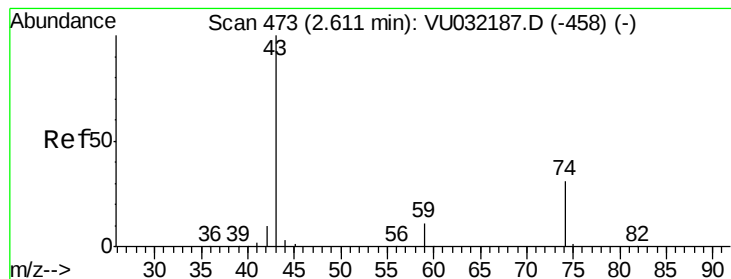
100000

0

2.40 2.45 2.50 2.55

Time-->





#15

Methyl Acetate

Concen: 32.311 ug/L

RT: 2.61 min Scan# 473

Delta R.T. 0.00 min

Lab File: VU032187.D

Acq: 21 May 2019 10:07

Instrument :

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ClientSampleId :

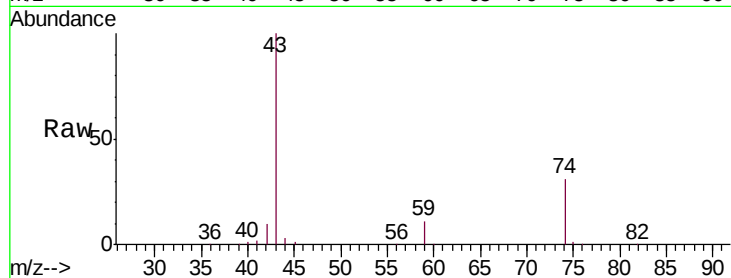
VSTD05053

Tgt Ion: 43 Resp: 237618

Ion Ratio Lower Upper

43 100

74 31.7 25.4 38.0



Abundance Ion 43.00 (42.70 to 43.70): VU032187.D (-458) (-)

Ion 74.00 (73.70 to 74.70): VU032187.D (-458) (-)

2.61

150000

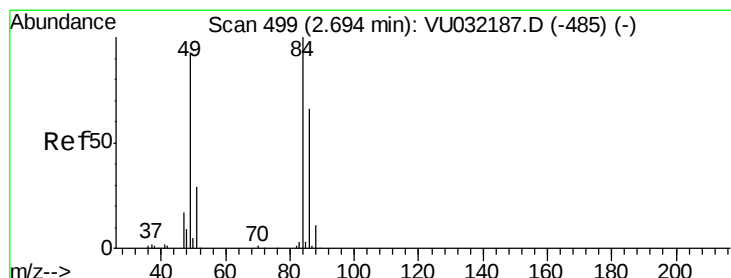
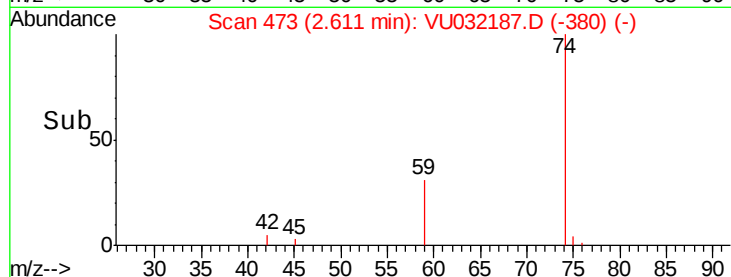
100000

50000

0

2.55 2.60 2.65 2.70

Time-->



#16

Methylene chloride

Concen: 42.133 ug/L

RT: 2.69 min Scan# 499

Delta R.T. 0.00 min

Lab File: VU032187.D

Acq: 21 May 2019 10:07

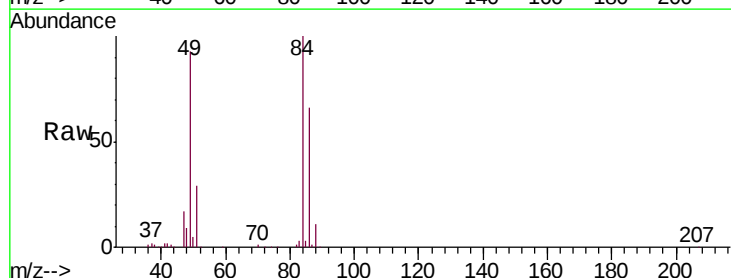
Tgt Ion: 84 Resp: 305517

Ion Ratio Lower Upper

84 100

86 65.7 46.0 85.4

49 92.6 64.8 120.4



Abundance Ion 84.00 (83.70 to 84.70): VU032187.D (-485) (-)

Ion 86.00 (85.70 to 86.70): VU032187.D (-485) (-)

Ion 49.00 (48.70 to 49.70): VU032187.D (-485) (-)

2.69

200000

150000

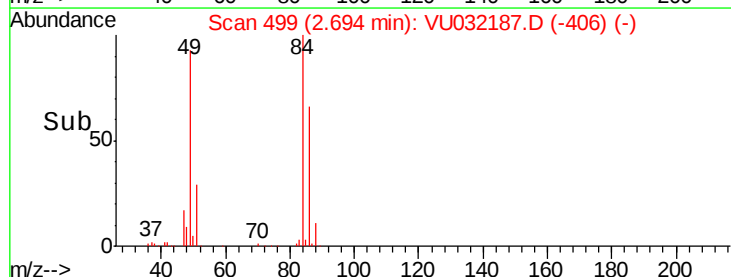
100000

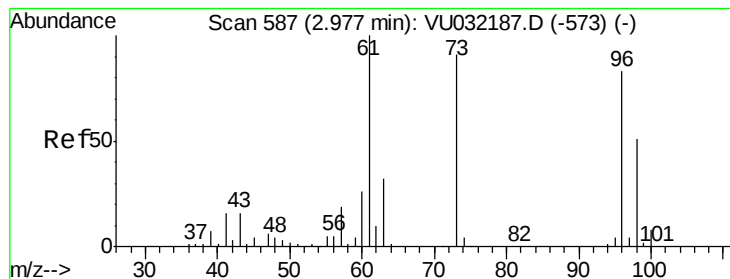
50000

0

2.60 2.65 2.70 2.75 2.80

Time-->





#17

trans-1,2-Dichloroethene

Concen: 45.292 ug/L

RT: 2.98 min Scan# 587

Delta R.T. 0.00 min

Lab File: VU032187.D

Acq: 21 May 2019 10:07

Instrument :

MSVOA_U

ClientSampleId :

VSTD05053

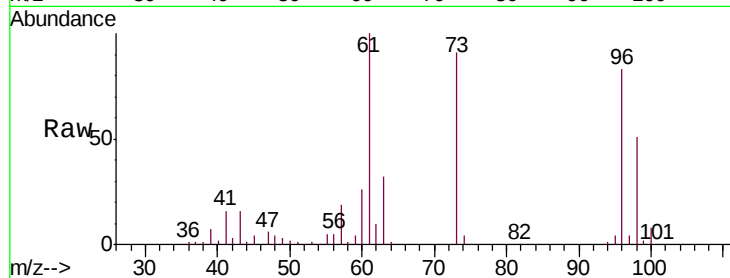
Tgt Ion: 96 Resp: 283369

Ion Ratio Lower Upper

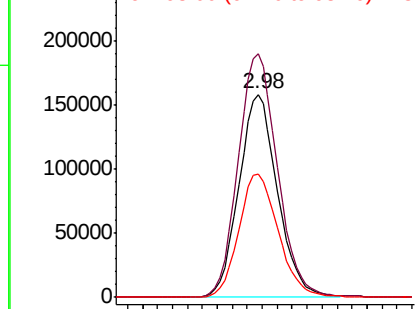
96 100

61 119.9 83.9 155.9

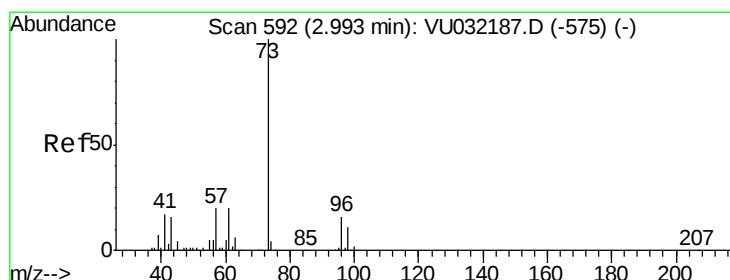
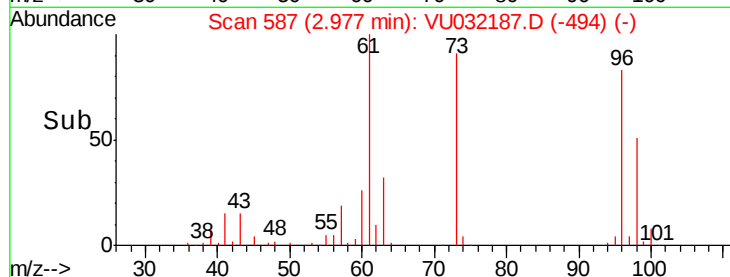
98 60.6 42.4 78.8



Abundance Ion 96.00 (95.70 to 96.70): VU0
Ion 61.00 (60.70 to 61.70): VU0
Ion 98.00 (97.70 to 98.70): VU0



Time-->



#18

Methyl tert-butyl Ether

Concen: 43.083 ug/L

RT: 2.99 min Scan# 592

Delta R.T. 0.00 min

Lab File: VU032187.D

Acq: 21 May 2019 10:07

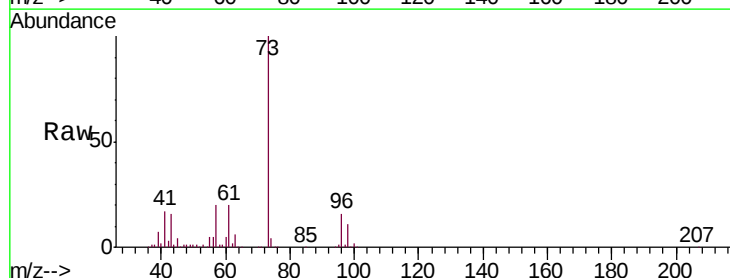
Tgt Ion: 73 Resp: 816839

Ion Ratio Lower Upper

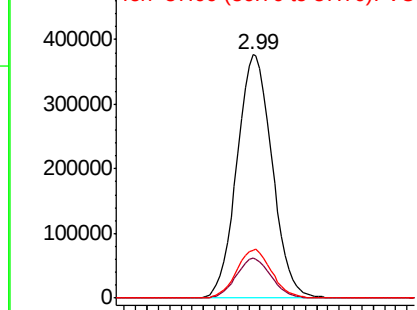
73 100

43 16.3 13.0 19.6

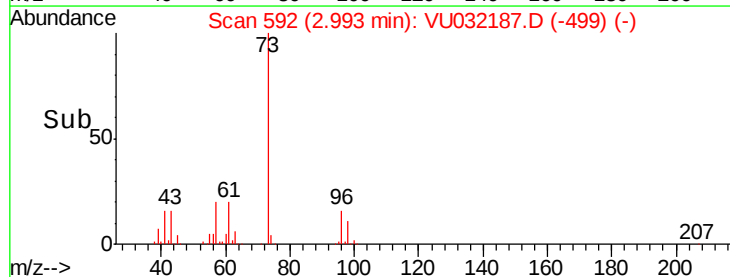
57 20.1 16.1 24.1

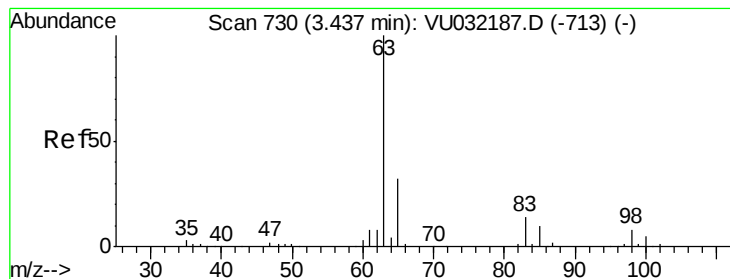


Abundance Ion 73.00 (72.70 to 73.70): VU0
Ion 43.00 (42.70 to 43.70): VU0
Ion 57.00 (56.70 to 57.70): VU0



Time-->





#19

1,1-Dichloroethane

Concen: 39.453 ug/L

RT: 3.44 min Scan# 730

Delta R.T. 0.00 min

Lab File: VU032187.D

Acq: 21 May 2019 10:07

Instrument :

MSVOA_U

ClientSampleId :

VSTD05053

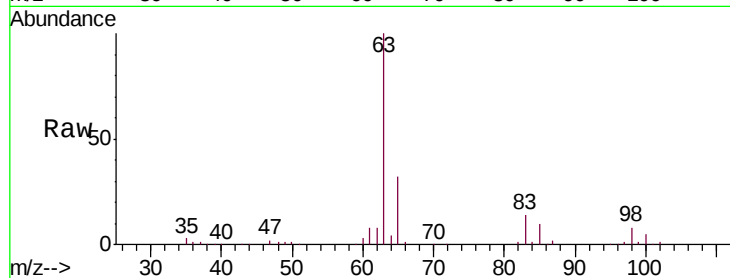
Tgt Ion: 63 Resp: 472177

Ion Ratio Lower Upper

63 100

65 32.0 22.4 41.6

83 14.4 10.1 18.7

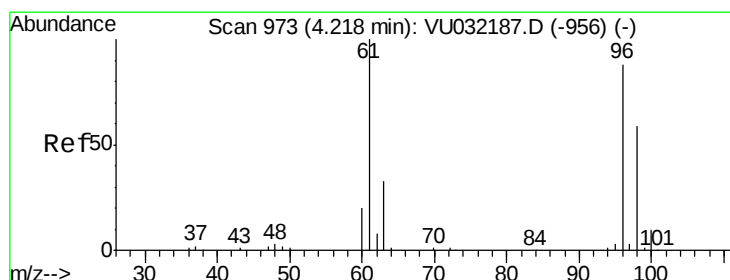
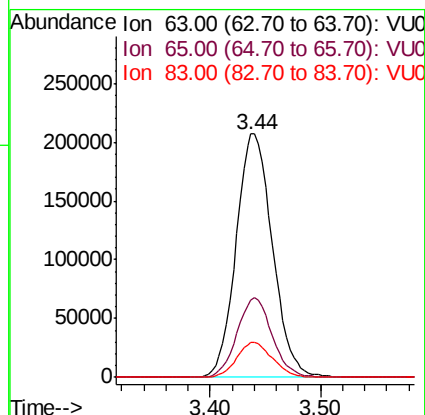
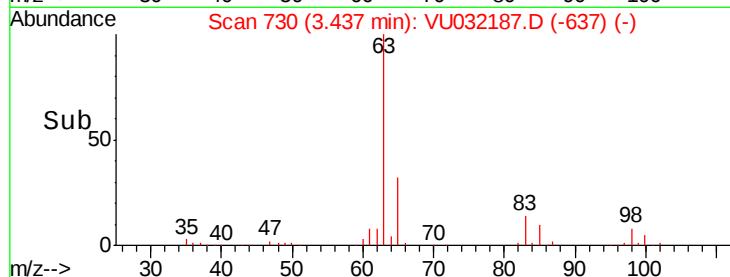


Abundance Ion 63.00 (62.70 to 63.70): VU032187.D (-713) (-)

Ion 65.00 (64.70 to 65.70): VU032187.D (-713) (-)

Ion 83.00 (82.70 to 83.70): VU032187.D (-713) (-)

Time-->



#20

cis-1,2-Dichloroethene

Concen: 45.269 ug/L

RT: 4.22 min Scan# 973

Delta R.T. 0.00 min

Lab File: VU032187.D

Acq: 21 May 2019 10:07

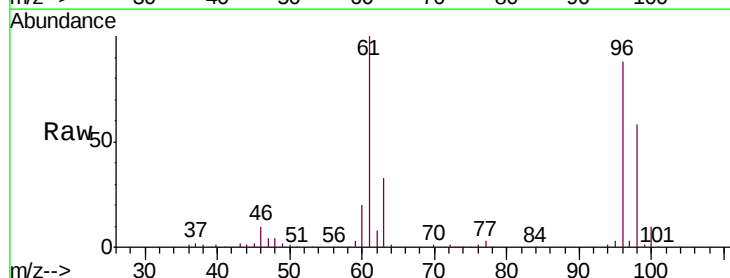
Tgt Ion: 96 Resp: 312053

Ion Ratio Lower Upper

96 100

61 114.1 79.9 148.3

68 0.0 0.0 0.0

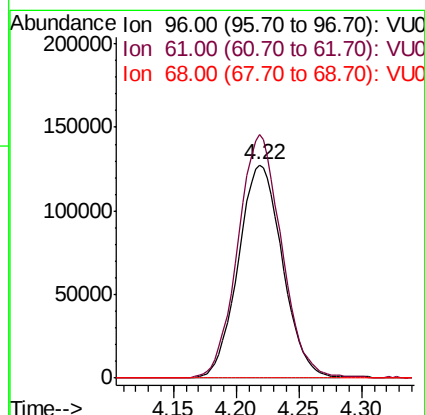
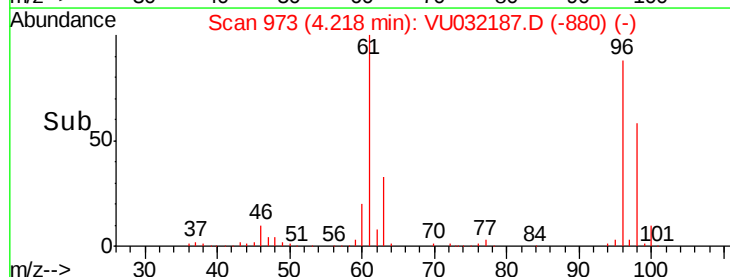


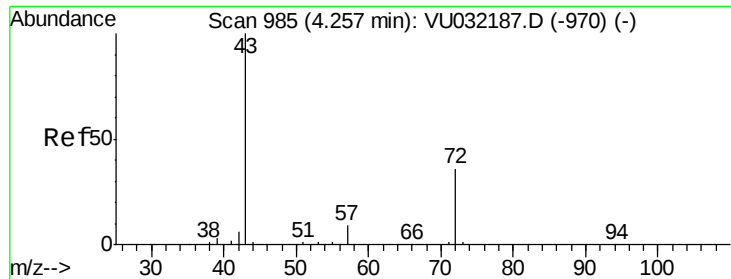
Abundance Ion 96.00 (95.70 to 96.70): VU032187.D (-956) (-)

Ion 61.00 (60.70 to 61.70): VU032187.D (-956) (-)

Ion 68.00 (67.70 to 68.70): VU032187.D (-956) (-)

Time-->





#22

2-Butanone

Concen: 70.389 ug/L

RT: 4.26 min Scan# 985

Delta R.T. 0.00 min

Lab File: VU032187.D

Acq: 21 May 2019 10:07

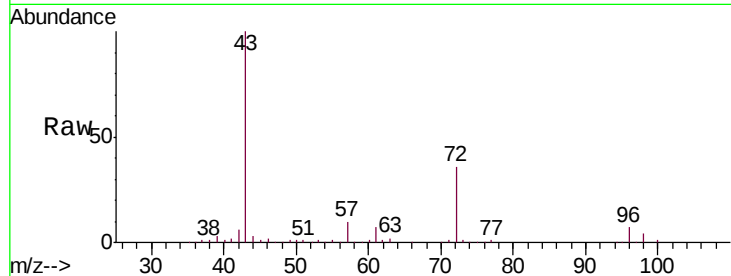
Instrument :
MSVOA_U
ClientSampleId :
VSTD05053

Tgt Ion: 43 Resp: 391491

Ion Ratio Lower Upper

43 100

72 35.5 17.8 53.3



Abundance Ion 43.00 (42.70 to 43.70): VU032187.D (-970) (-)

Ion 72.00 (71.70 to 72.70): VU032187.D (-970) (-)

4.26

150000

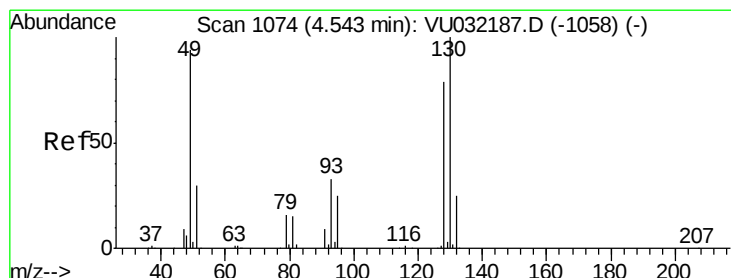
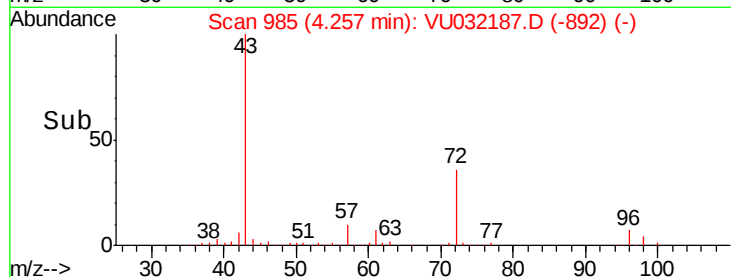
100000

50000

0

4.20 4.30 4.40

Time-->



#23

Bromochloromethane

Concen: 49.149 ug/L

RT: 4.54 min Scan# 1074

Delta R.T. 0.00 min

Lab File: VU032187.D

Acq: 21 May 2019 10:07

Tgt Ion: 128 Resp: 169662

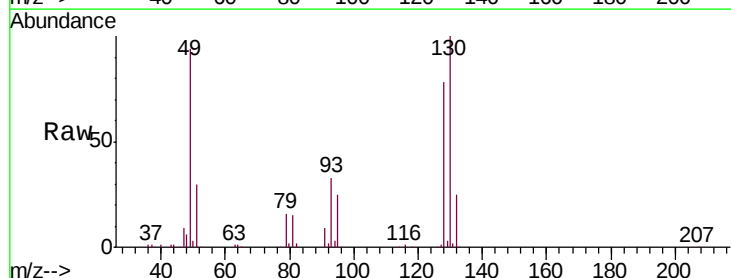
Ion Ratio Lower Upper

128 100

49 119.3 83.5 155.1

130 127.4 89.2 165.6

51 38.6 30.9 46.3



Abundance Ion 128.00 (127.70 to 128.70): VU032187.D (-1058) (-)

Ion 49.00 (48.70 to 49.70): VU032187.D (-1058) (-)

Ion 130.00 (129.70 to 130.70): VU032187.D (-1058) (-)

Ion 51.00 (50.70 to 51.70): VU032187.D (-1058) (-)

4.54

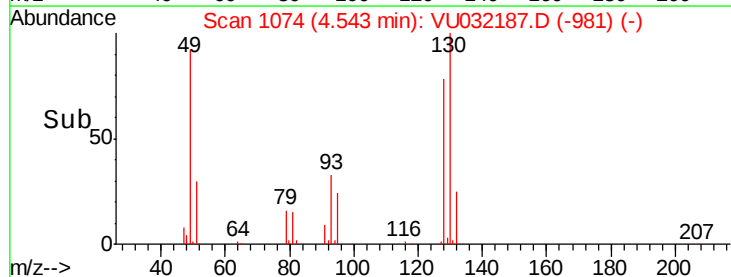
100000

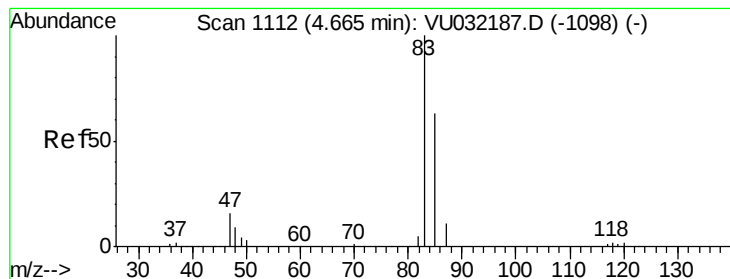
50000

0

4.45 4.50 4.55 4.60 4.65

Time-->





#25

Chloroform

Concen: 43.157 ug/L

RT: 4.67 min Scan# 1112

Delta R.T. 0.00 min

Lab File: VU032187.D

Acq: 21 May 2019 10:07

Instrument :

MSVOA_U

ClientSampleId :

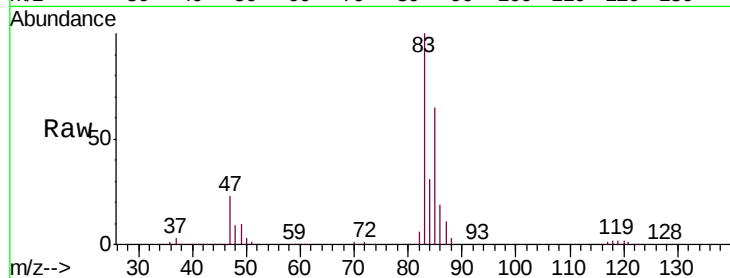
VSTD05053

Tgt Ion: 83 Resp: 520529

Ion Ratio Lower Upper

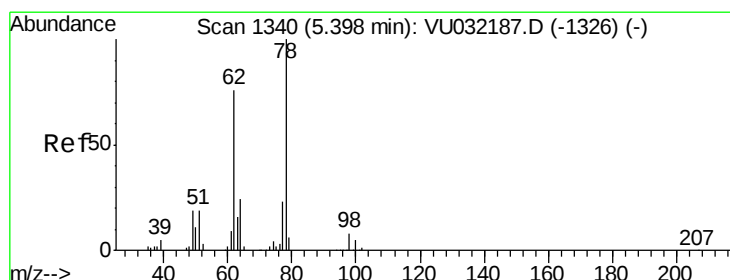
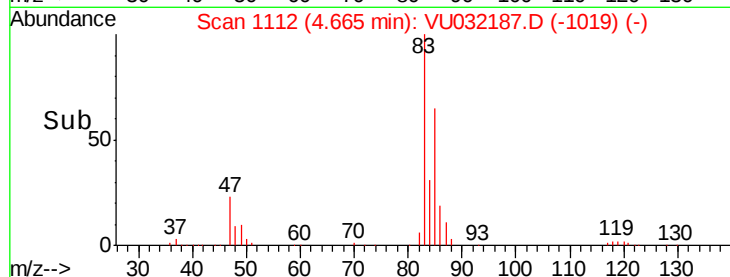
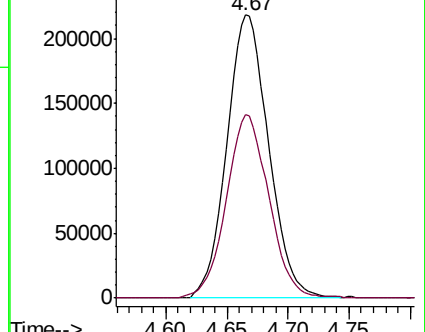
83 100

85 64.7 45.3 84.1



Abundance Ion 83.00 (82.70 to 83.70): VU032187.D (-1098) (-)

Ion 85.00 (84.70 to 85.70): VU032187.D (-1098) (-)



#27

1,2-Dichloroethane

Concen: 41.047 ug/L

RT: 5.40 min Scan# 1340

Delta R.T. 0.00 min

Lab File: VU032187.D

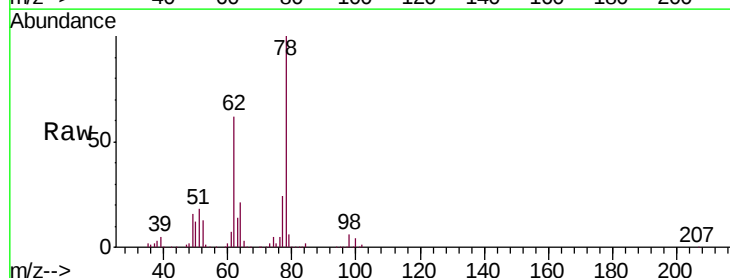
Acq: 21 May 2019 10:07

Tgt Ion: 62 Resp: 378662

Ion Ratio Lower Upper

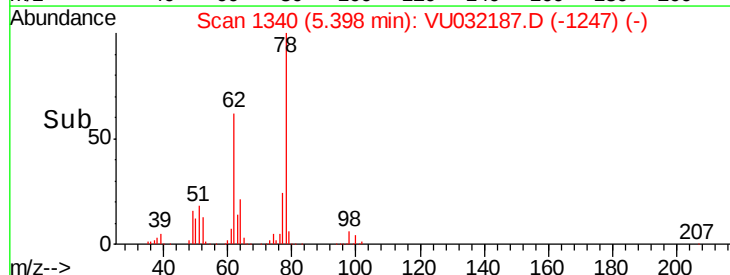
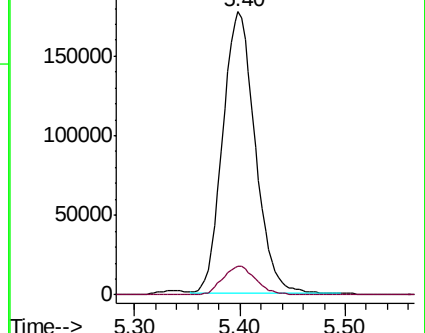
62 100

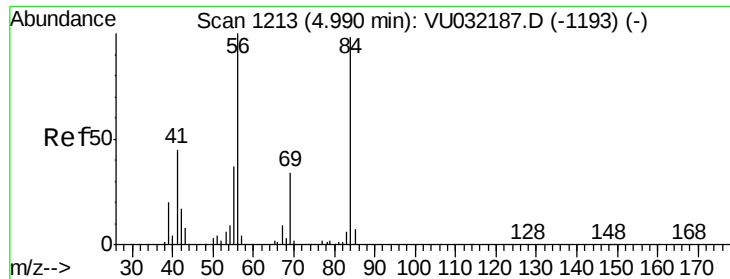
98 10.2 8.2 12.2



Abundance Ion 62.00 (61.70 to 62.70): VU032187.D (-1326) (-)

Ion 98.00 (97.70 to 98.70): VU032187.D (-1326) (-)

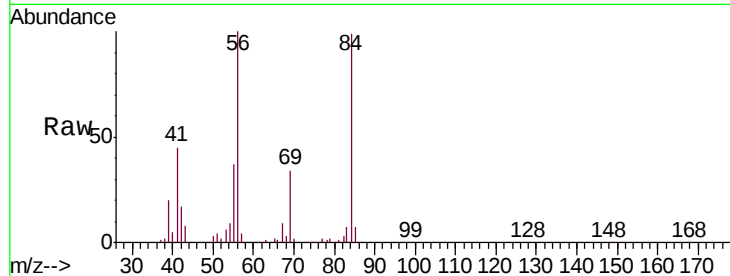




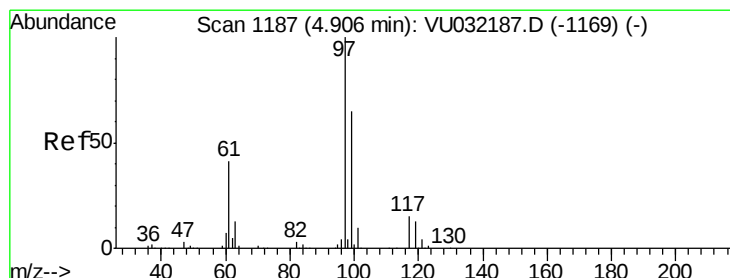
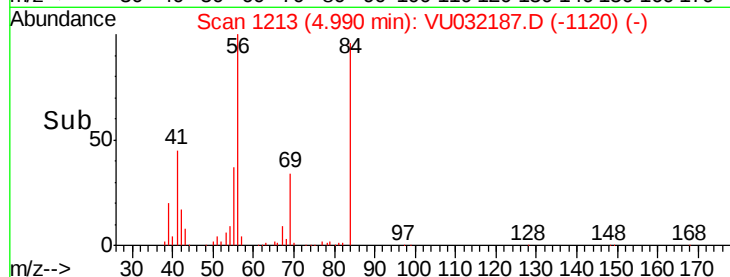
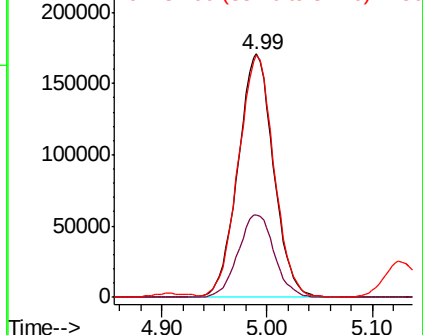
#29
Cyclohexane
Concen: 40.753 ug/L
RT: 4.99 min Scan# 1213
Delta R.T. 0.00 min
Lab File: VU032187.D
Acq: 21 May 2019 10:07

Instrument :
MSVOA_U
ClientSampleId :
VSTD05053

Tgt Ion: 56 Resp: 398589
Ion Ratio Lower Upper
56 100
69 34.5 27.6 41.4
84 99.1 79.3 118.9

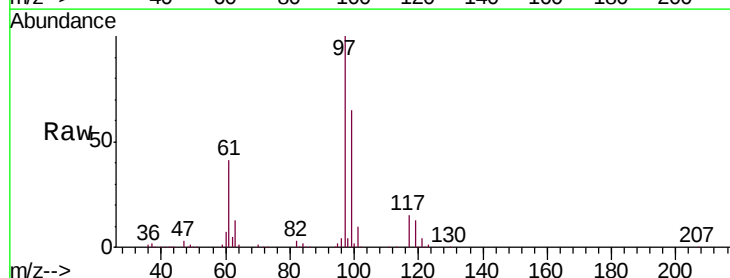


Abundance Ion 56.00 (55.70 to 56.70): VU0
Ion 69.00 (68.70 to 69.70): VU0
Ion 84.00 (83.70 to 84.70): VU0

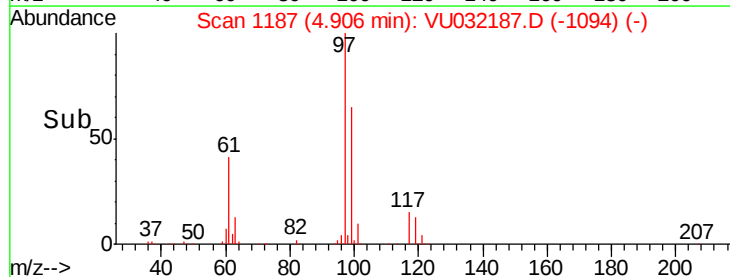
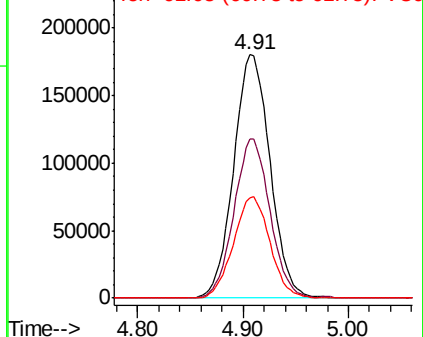


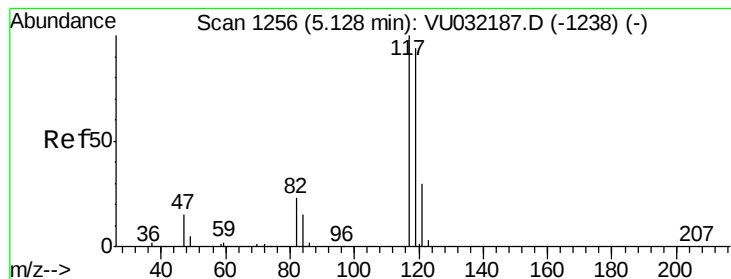
#30
1,1,1-Trichloroethane
Concen: 45.007 ug/L
RT: 4.91 min Scan# 1187
Delta R.T. 0.00 min
Lab File: VU032187.D
Acq: 21 May 2019 10:07

Tgt Ion: 97 Resp: 432789
Ion Ratio Lower Upper
97 100
99 64.3 51.4 77.2
61 41.7 33.4 50.0



Abundance Ion 97.00 (96.70 to 97.70): VU0
Ion 99.00 (98.70 to 99.70): VU0
Ion 61.05 (60.75 to 61.75): VU0





#31

Carbon tetrachloride

Concen: 47.753 ug/L

RT: 5.13 min Scan# 1256

Delta R.T. 0.00 min

Lab File: VU032187.D

Acq: 21 May 2019 10:07

Instrument :

MSVOA_U

ClientSampleId :

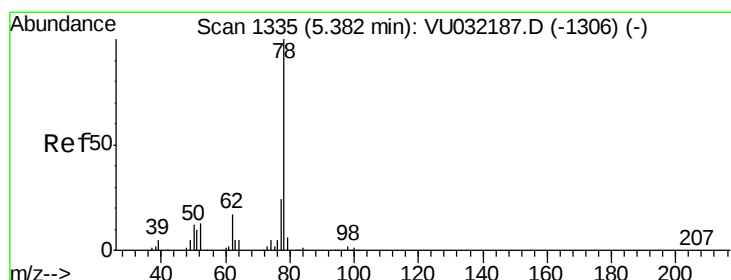
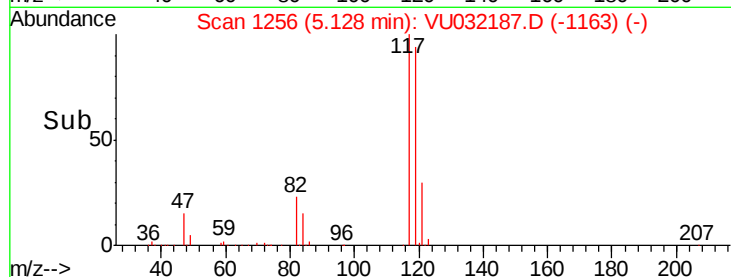
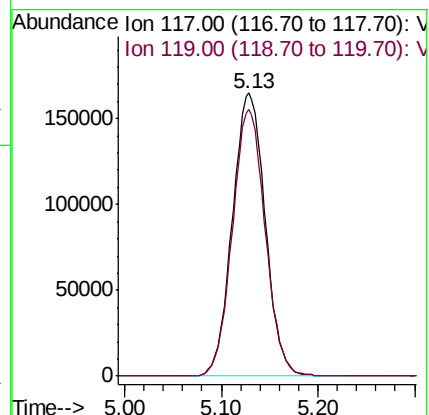
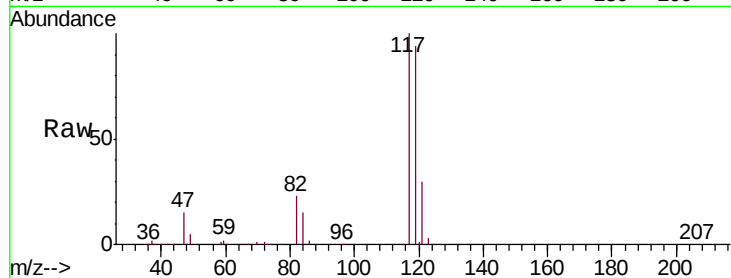
VSTD05053

Tgt Ion:117 Resp: 387609

Ion Ratio Lower Upper

117 100

119 94.3 75.4 113.2



#33

Benzene

Concen: 43.214 ug/L

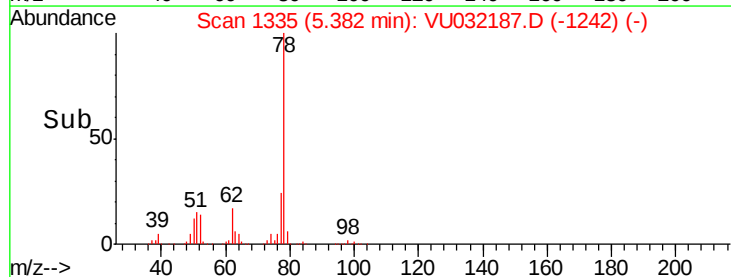
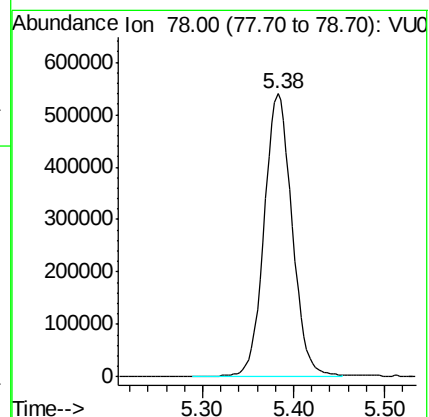
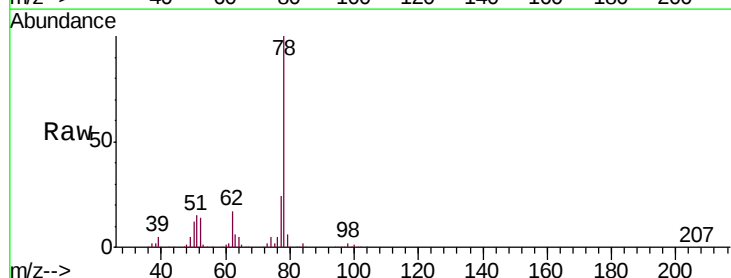
RT: 5.38 min Scan# 1335

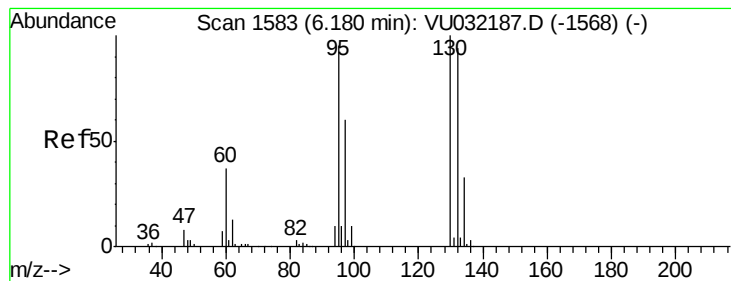
Delta R.T. 0.00 min

Lab File: VU032187.D

Acq: 21 May 2019 10:07

Tgt Ion: 78 Resp: 1154094





#34

Trichloroethene

Concen: 44.917 ug/L

RT: 6.18 min Scan# 1583

Delta R.T. 0.00 min

Lab File: VU032187.D

Acq: 21 May 2019 10:07

Instrument :

MSVOA_U

ClientSampleId :

VSTD05053

Tgt Ion: 95 Resp: 301763

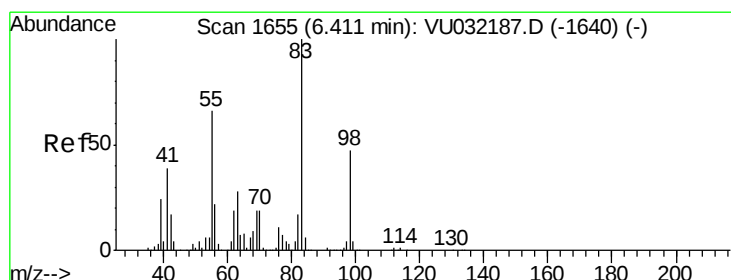
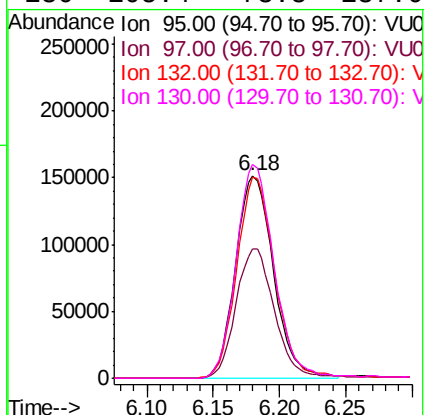
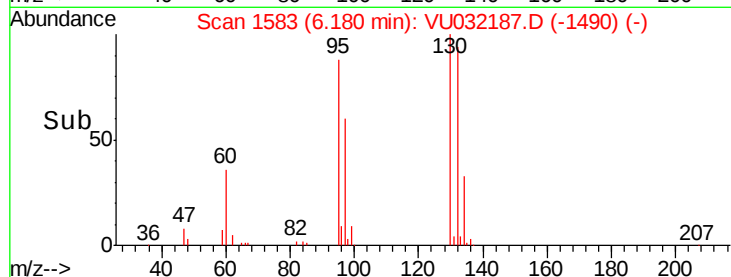
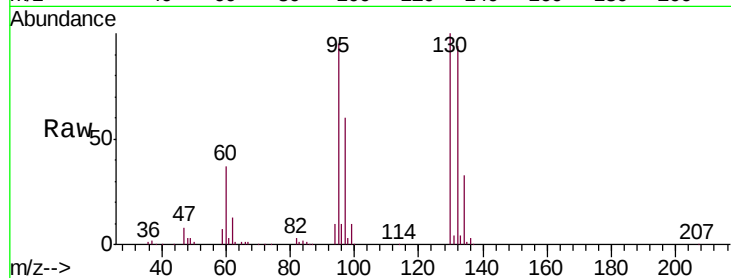
Ion Ratio Lower Upper

95 100

97 63.6 44.5 82.7

132 99.2 69.4 129.0

130 105.4 73.8 137.0



#35

Methylcyclohexane

Concen: 45.894 ug/L

RT: 6.41 min Scan# 1655

Delta R.T. 0.00 min

Lab File: VU032187.D

Acq: 21 May 2019 10:07

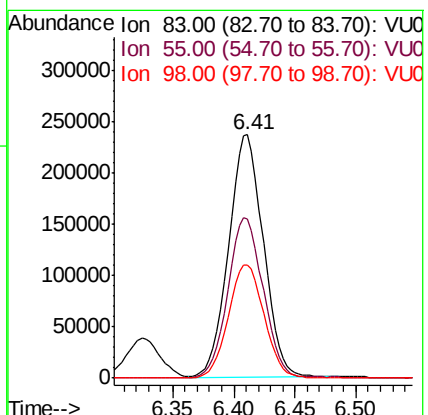
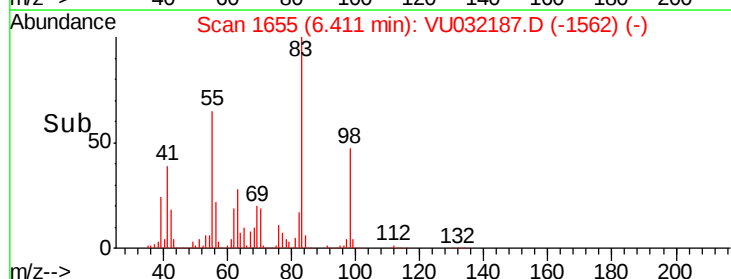
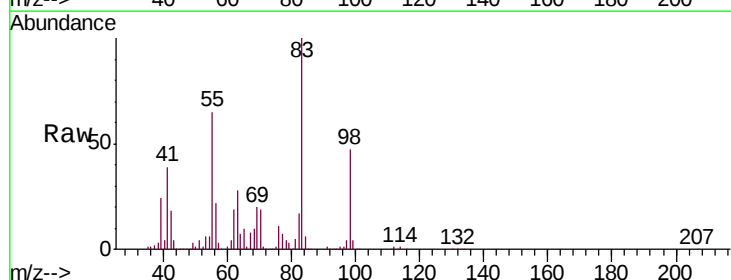
Tgt Ion: 83 Resp: 469534

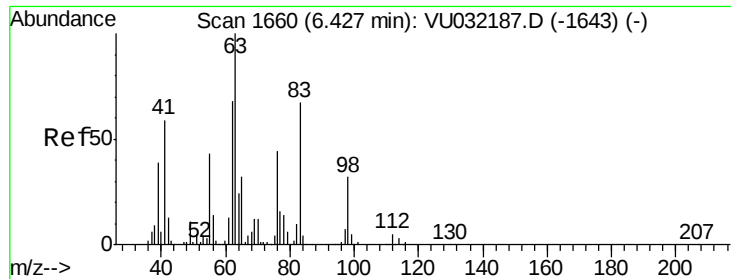
Ion Ratio Lower Upper

83 100

55 67.3 53.8 80.8

98 48.0 38.4 57.6

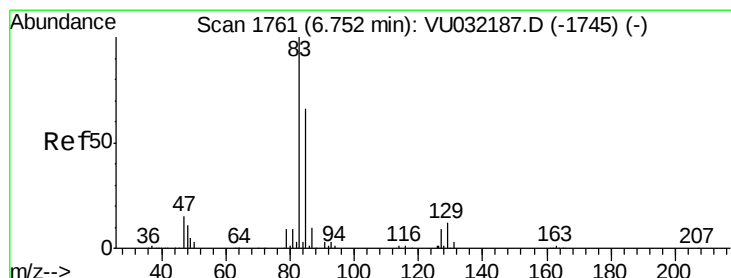
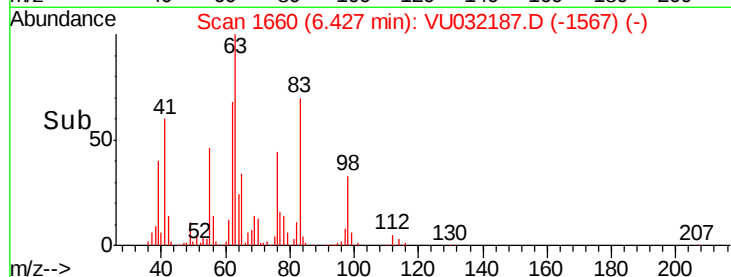
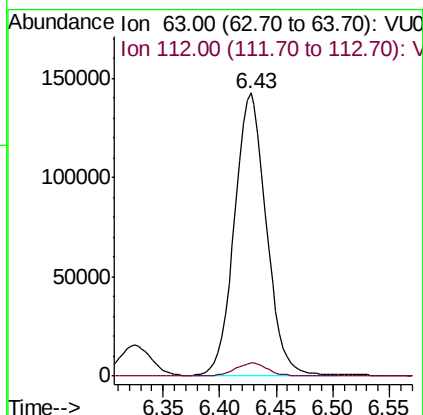
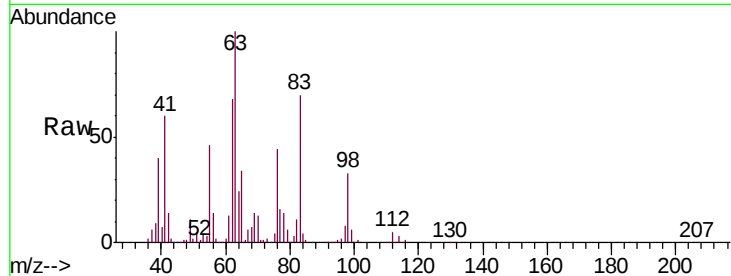




#37
 1,2-Dichloropropane
 Concen: 39.435 ug/L
 RT: 6.43 min Scan# 1660
 Delta R.T. 0.00 min
 Lab File: VU032187.D
 Acq: 21 May 2019 10:07

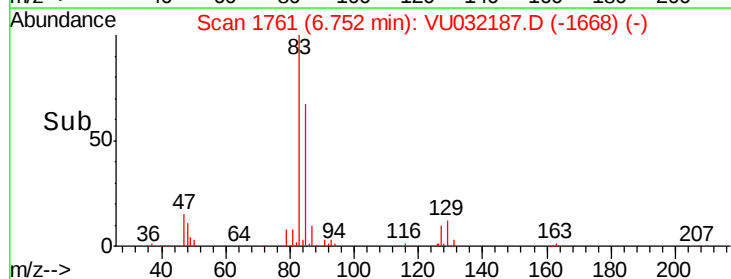
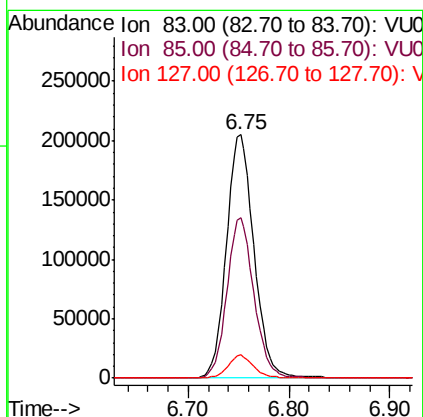
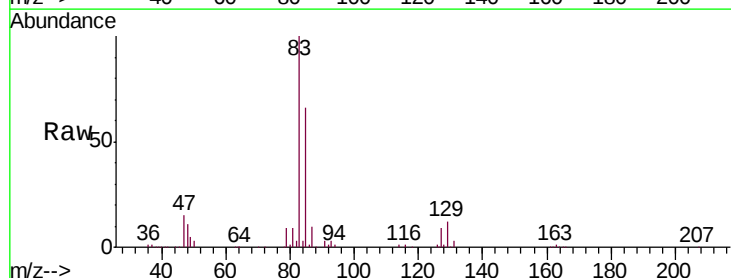
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD05053

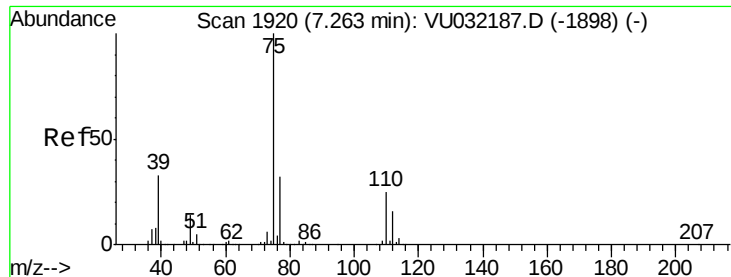
Tgt Ion: 63 Resp: 278467
 Ion Ratio Lower Upper
 63 100
 112 4.7 3.8 5.6



#38
 Bromodichloromethane
 Concen: 43.828 ug/L
 RT: 6.75 min Scan# 1761
 Delta R.T. 0.00 min
 Lab File: VU032187.D
 Acq: 21 May 2019 10:07

Tgt Ion: 83 Resp: 388151
 Ion Ratio Lower Upper
 83 100
 85 65.7 46.0 85.4
 127 9.4 7.5 11.3



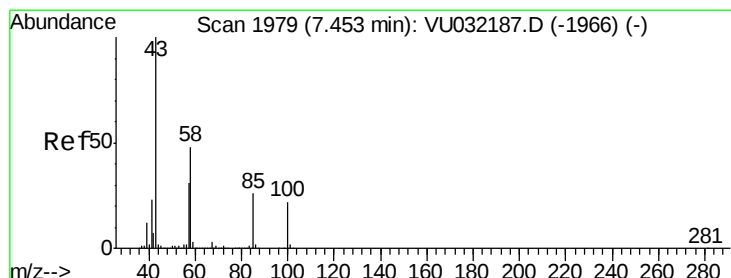
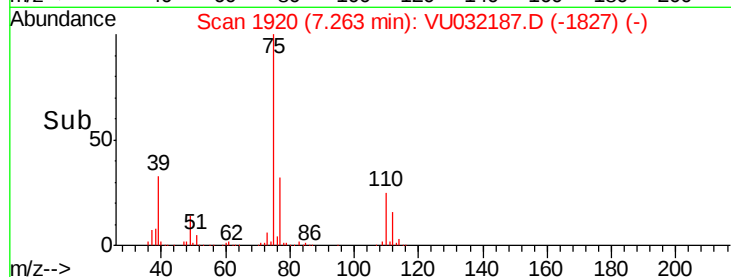
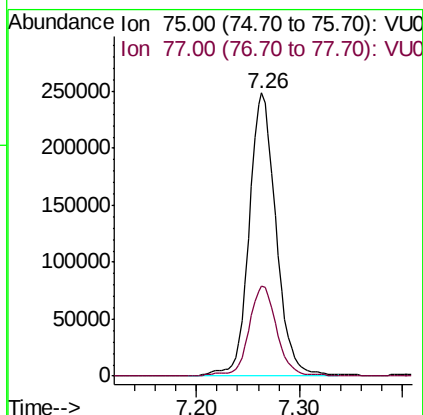
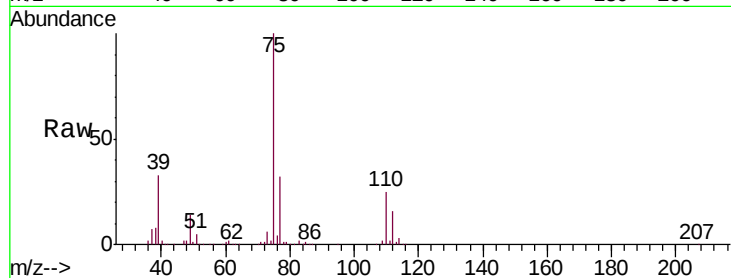


#39

cis-1,3-Dichloropropene
 Concen: 44.358 ug/L
 RT: 7.26 min Scan# 1920
 Delta R.T. 0.00 min
 Lab File: VU032187.D
 Acq: 21 May 2019 10:07

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD05053

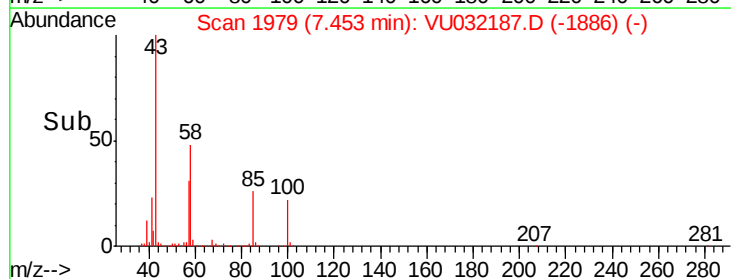
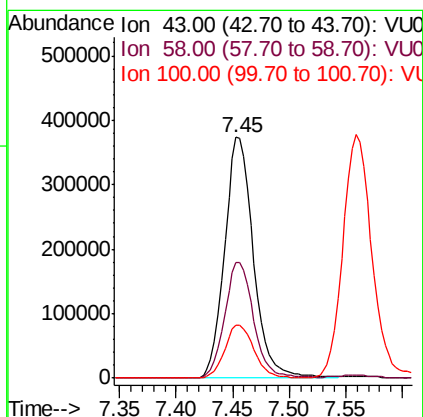
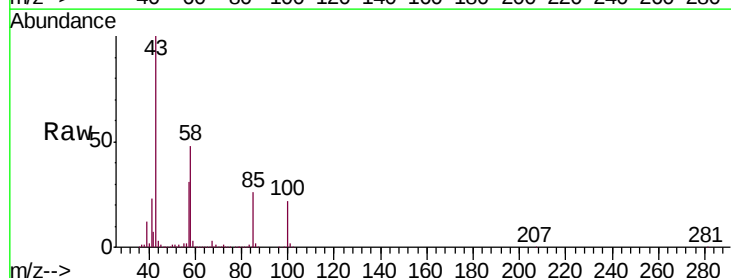
Tgt Ion: 75 Resp: 450846
 Ion Ratio Lower Upper
 75 100
 77 31.7 22.2 41.2

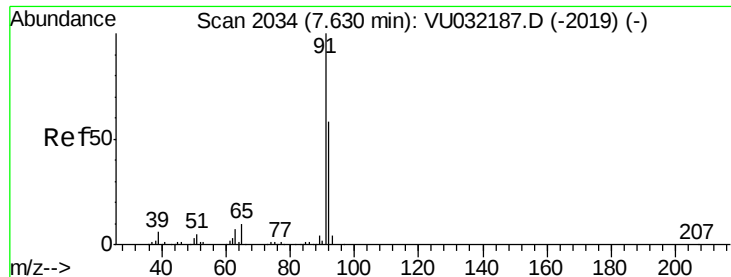


#40

4-Methyl-2-pentanone
 Concen: 71.085 ug/L
 RT: 7.45 min Scan# 1979
 Delta R.T. 0.00 min
 Lab File: VU032187.D
 Acq: 21 May 2019 10:07

Tgt Ion: 43 Resp: 662328
 Ion Ratio Lower Upper
 43 100
 58 48.3 38.6 58.0
 100 22.4 17.9 26.9





#42

Toluene

Concen: 47.130 ug/L

RT: 7.63 min Scan# 2034

Delta R.T. 0.00 min

Lab File: VU032187.D

Acq: 21 May 2019 10:07

Instrument :

MSVOA_U

ClientSampleId :

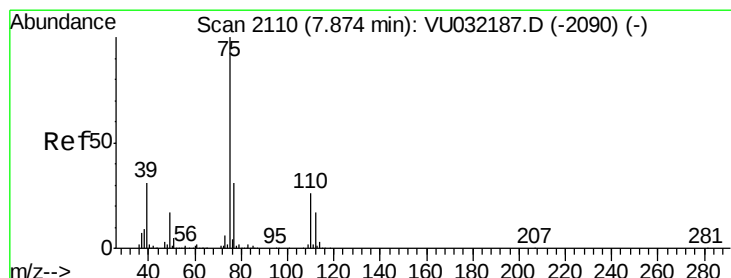
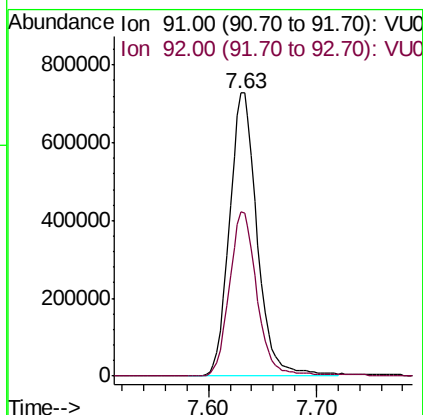
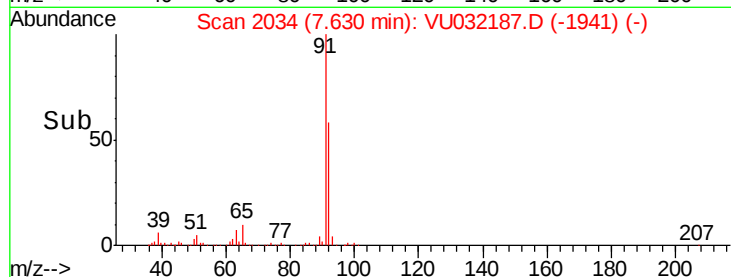
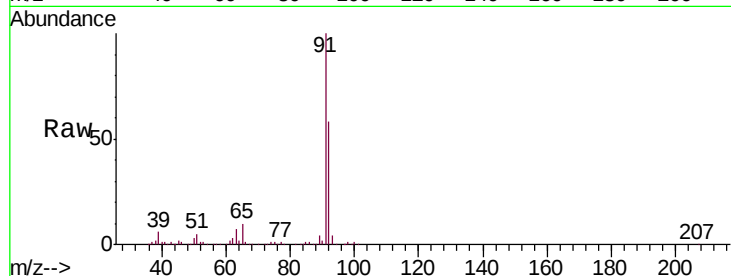
VSTD05053

Tgt Ion: 91 Resp: 1306561

Ion Ratio Lower Upper

91 100

92 58.0 40.6 75.4



#44

trans-1,3-Dichloropropene

Concen: 44.319 ug/L

RT: 7.87 min Scan# 2110

Delta R.T. 0.00 min

Lab File: VU032187.D

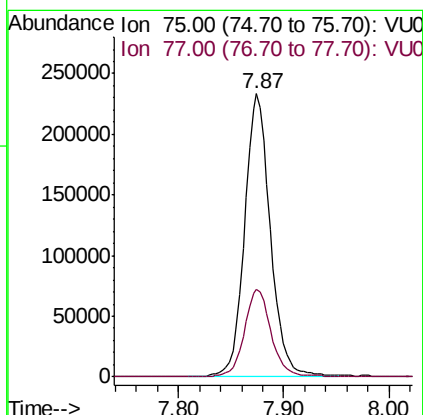
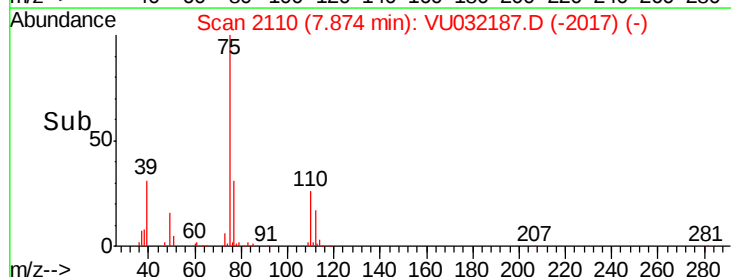
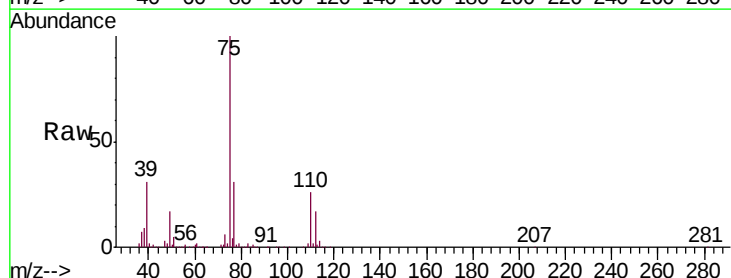
Acq: 21 May 2019 10:07

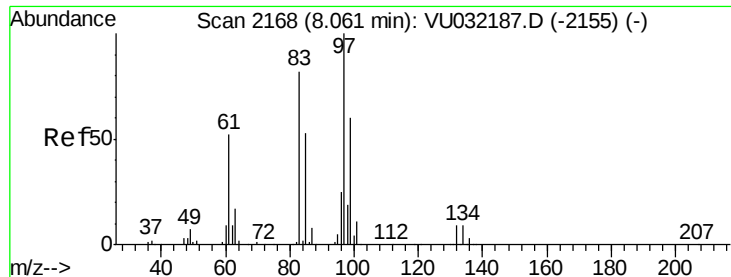
Tgt Ion: 75 Resp: 396723

Ion Ratio Lower Upper

75 100

77 31.1 21.8 40.4

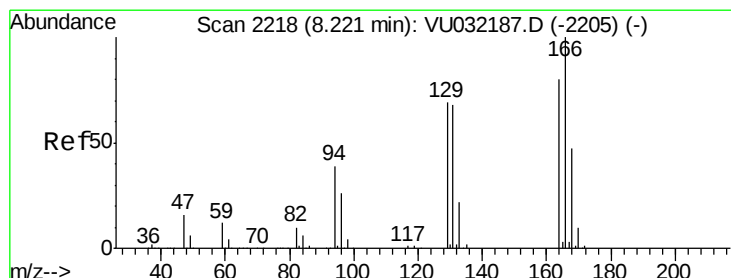
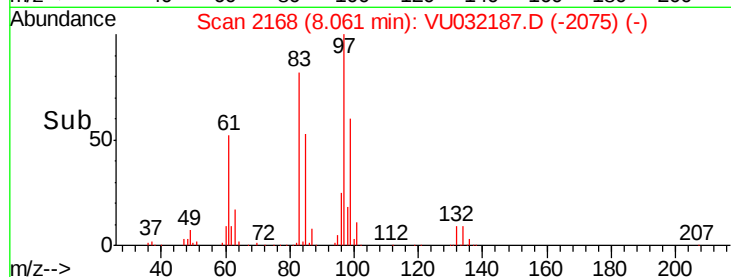
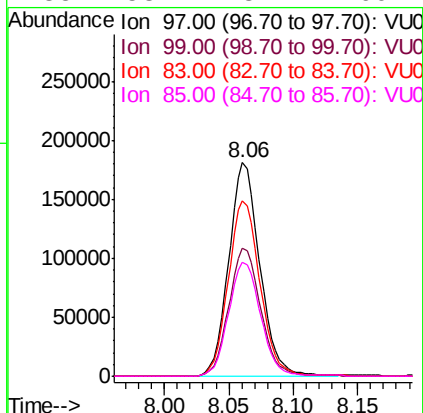
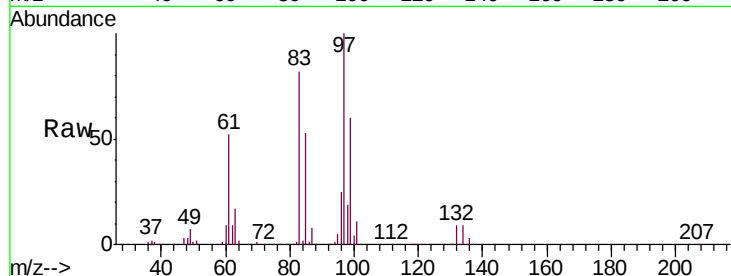




#45
 1,1,2-Trichloroethane
 Concen: 45.332 ug/L
 RT: 8.06 min Scan# 2168
 Delta R.T. 0.00 min
 Lab File: VU032187.D
 Acq: 21 May 2019 10:07

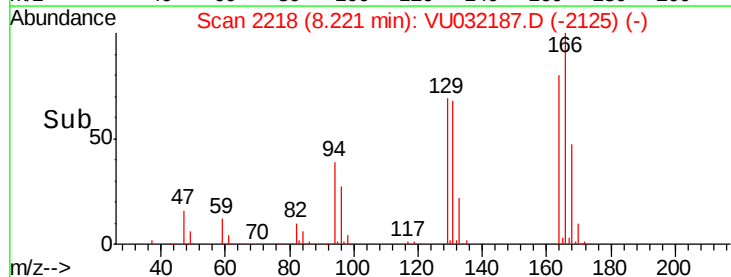
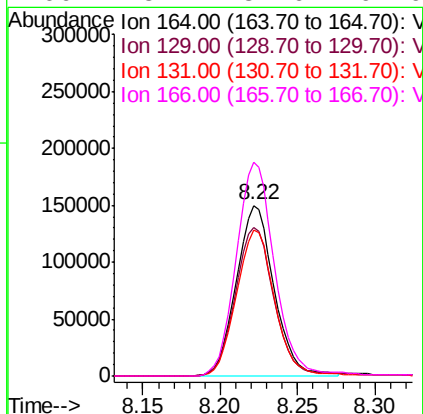
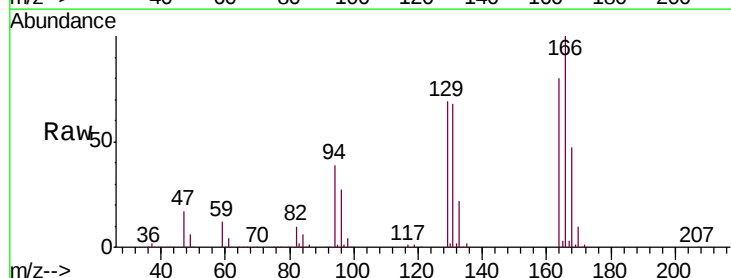
Instrument :
 MSVOA_U
 ClientSampled :
 VSTD05053

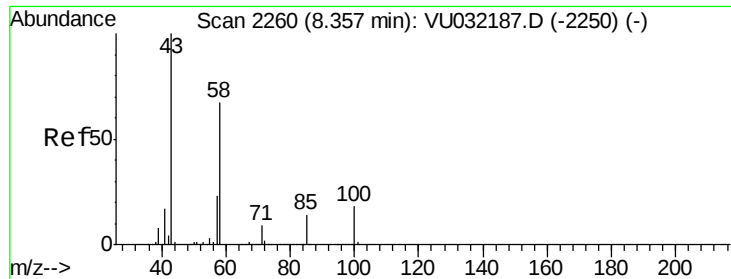
Tgt Ion:	97	Resp:	303560
Ion	Ratio	Lower	Upper
97	100		
99	59.7	41.8	77.6
83	81.8	57.3	106.3
85	53.2	37.2	69.2



#46
 Tetrachloroethene
 Concen: 51.944 ug/L
 RT: 8.22 min Scan# 2218
 Delta R.T. 0.00 min
 Lab File: VU032187.D
 Acq: 21 May 2019 10:07

Tgt Ion:	164	Resp:	254482
Ion	Ratio	Lower	Upper
164	100		
129	86.9	60.8	113.0
131	85.3	59.7	110.9
166	125.1	87.6	162.6

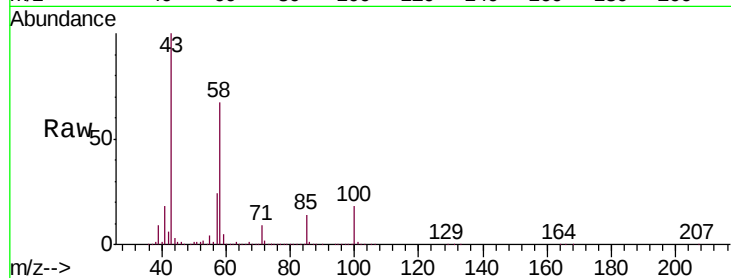




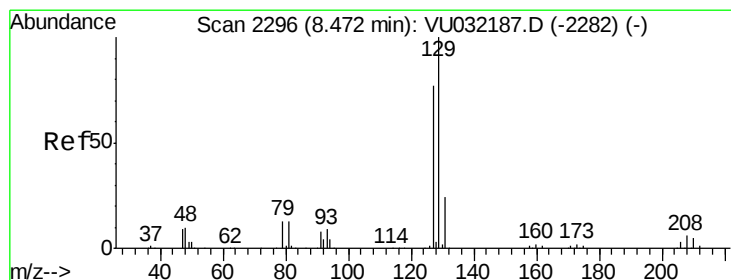
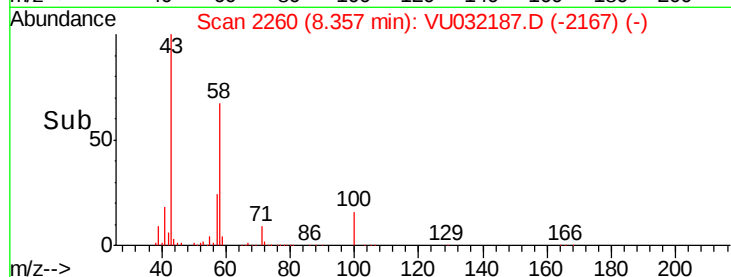
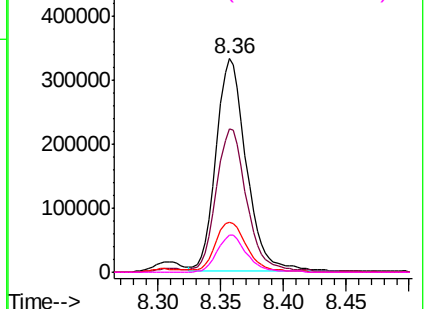
#48
2-Hexanone
Concen: 73.283 ug/L
RT: 8.36 min Scan# 2260
Delta R.T. 0.00 min
Lab File: VU032187.D
Acq: 21 May 2019 10:07

Instrument :
MSVOA_U
ClientSampleId :
VSTD05053

Tgt Ion:	43	Resp:	555306
Ion	Ratio	Lower	Upper
43	100		
58	67.6	54.1	81.1
57	24.2	19.4	29.0
100	17.0	13.6	20.4

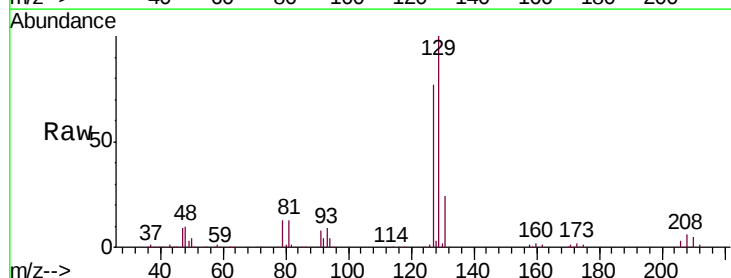


Abundance Ion 43.00 (42.70 to 43.70): VU032187.D (-2250) (-)
Ion 58.00 (57.70 to 58.70): VU032187.D (-2250) (-)
Ion 57.00 (56.70 to 57.70): VU032187.D (-2250) (-)
Ion 100.00 (99.70 to 100.70): VU032187.D (-2250) (-)

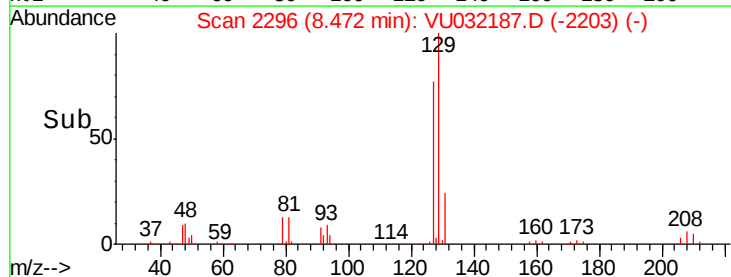
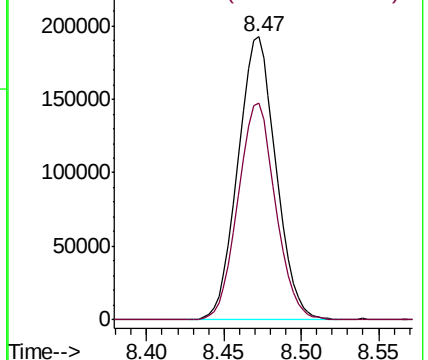


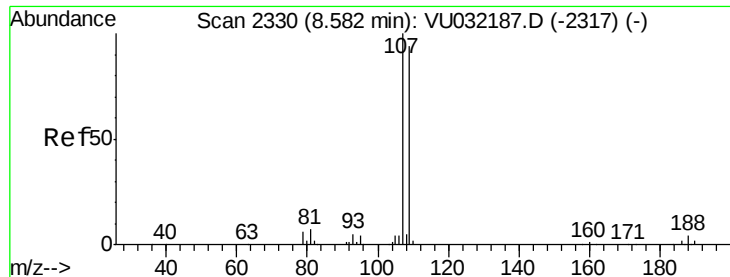
#49
Dibromochloromethane
Concen: 48.519 ug/L
RT: 8.47 min Scan# 2296
Delta R.T. 0.00 min
Lab File: VU032187.D
Acq: 21 May 2019 10:07

Tgt Ion:	129	Resp:	330434
Ion	Ratio	Lower	Upper
129	100		
127	76.6	53.6	99.6



Abundance Ion 129.00 (128.70 to 129.70): VU032187.D (-2282) (-)
Ion 127.00 (126.70 to 127.70): VU032187.D (-2282) (-)

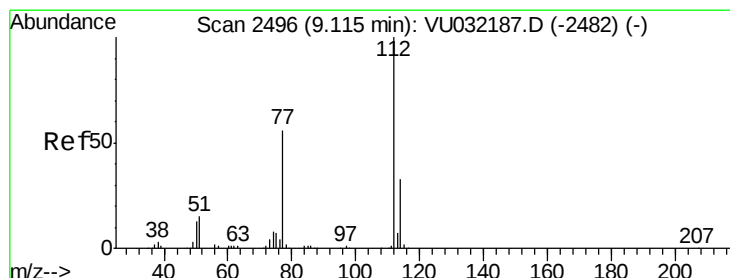
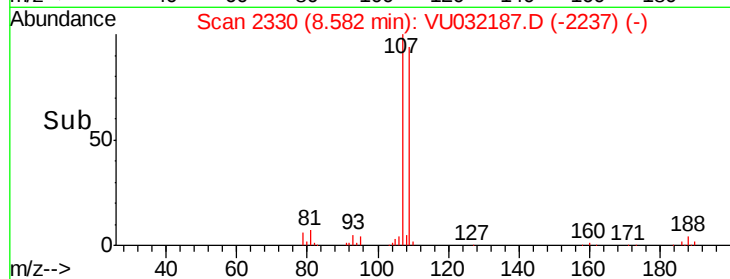
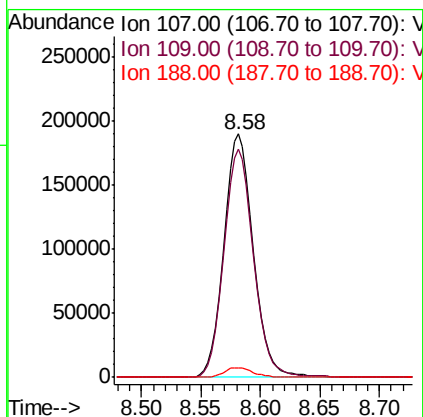
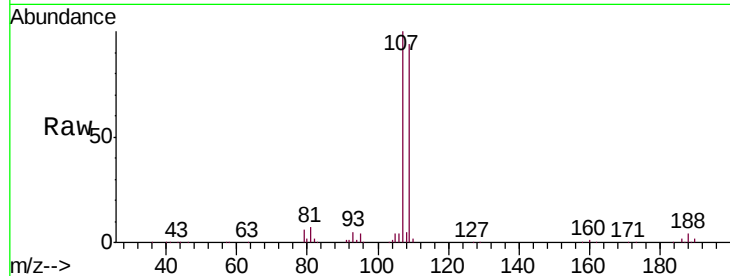




#50
1,2-Dibromoethane
Concen: 45.861 ug/L
RT: 8.58 min Scan# 2330
Delta R.T. 0.00 min
Lab File: VU032187.D
Acq: 21 May 2019 10:07

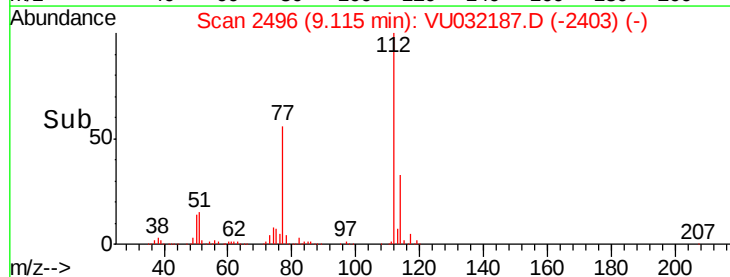
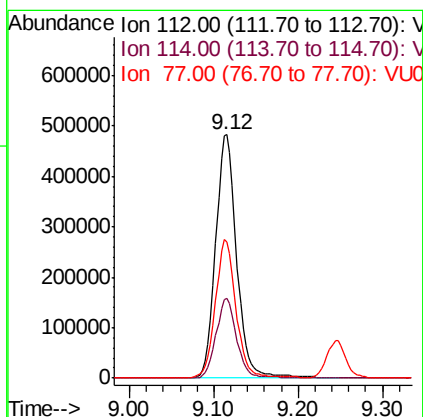
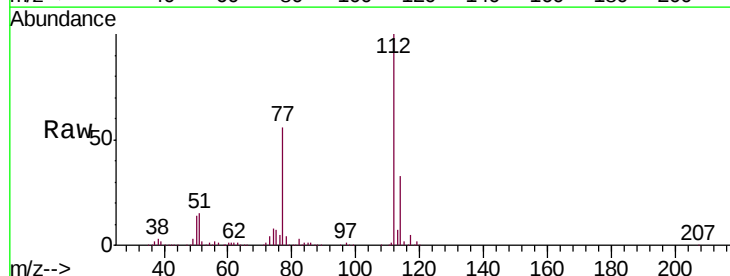
Instrument :
MSVOA_U
ClientSampleId :
VSTD05053

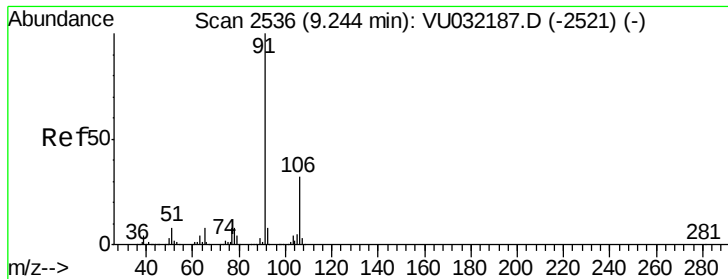
Tgt Ion	Ratio	Lower	Upper
107	100		
109	93.9	65.7	122.1
188	3.9	3.1	4.7



#51
Chlorobenzene
Concen: 47.025 ug/L
RT: 9.12 min Scan# 2496
Delta R.T. 0.00 min
Lab File: VU032187.D
Acq: 21 May 2019 10:07

Tgt Ion	Ratio	Lower	Upper
112	100		
114	33.0	23.1	42.9
77	56.1	44.9	67.3





#52

Ethylbenzene

Concen: 46.947 ug/L

RT: 9.24 min Scan# 2536

Delta R.T. 0.00 min

Lab File: VU032187.D

Acq: 21 May 2019 10:07

Instrument :

MSVOA_U

ClientSampleId :

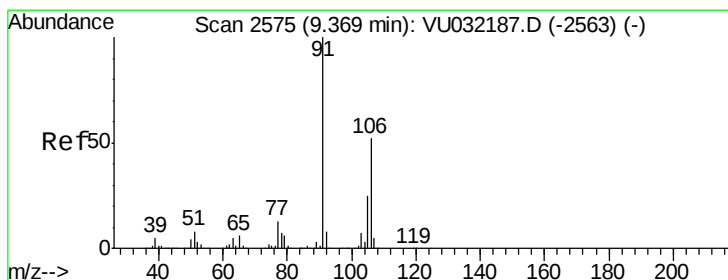
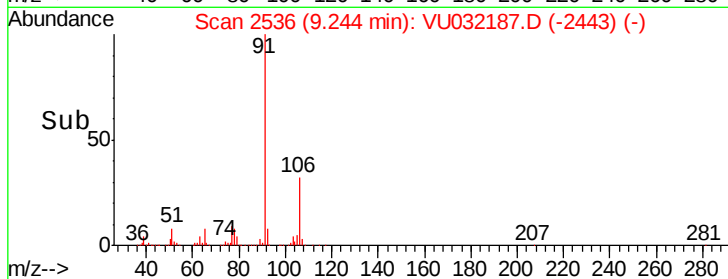
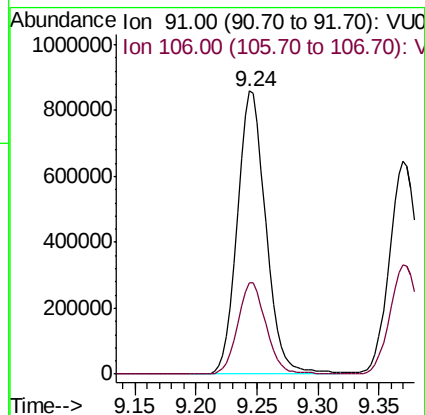
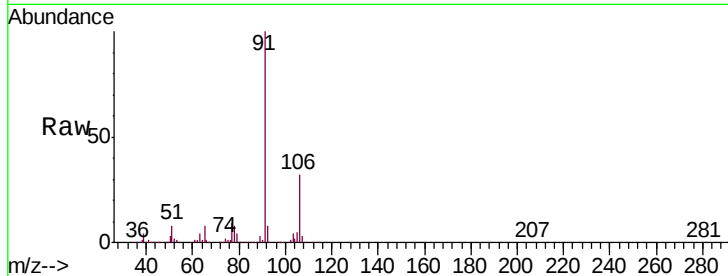
VSTD05053

Tgt Ion: 91 Resp: 1395319

Ion Ratio Lower Upper

91 100

106 32.2 22.5 41.9



#53

m,p-Xylene

Concen: 50.833 ug/L

RT: 9.37 min Scan# 2575

Delta R.T. 0.00 min

Lab File: VU032187.D

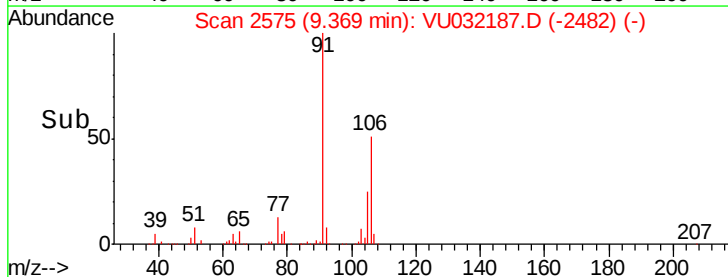
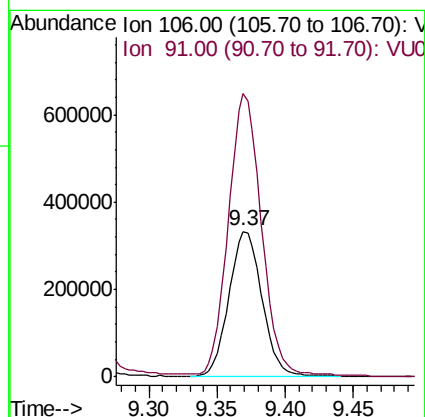
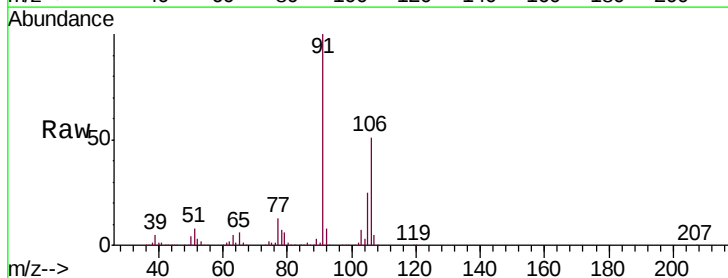
Acq: 21 May 2019 10:07

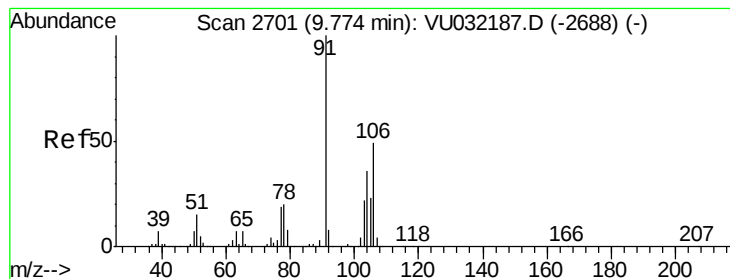
Tgt Ion: 106 Resp: 556906

Ion Ratio Lower Upper

106 100

91 194.5 136.2 252.9





#54

o-xylene

Concen: 51.500 ug/L

RT: 9.77 min Scan# 2701

Delta R.T. 0.00 min

Lab File: VU032187.D

Acq: 21 May 2019 10:07

Instrument :

MSVOA_U

ClientSampleId :

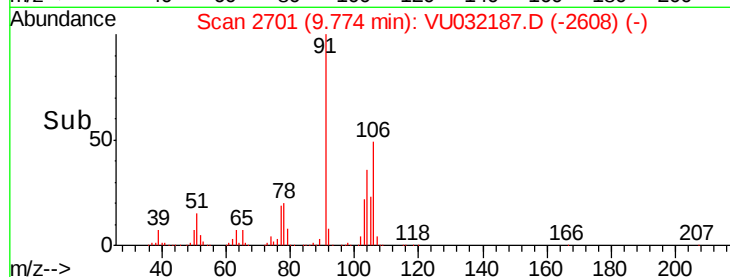
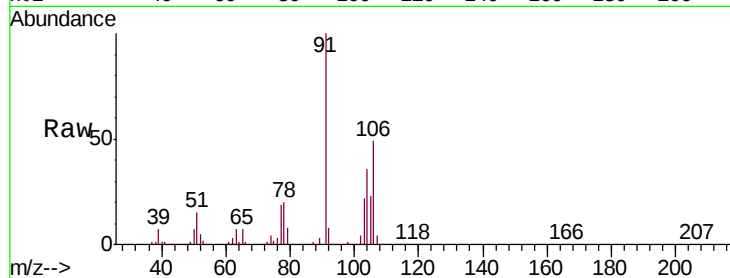
VSTD05053

Tgt Ion:106 Resp: 559784

Ion Ratio Lower Upper

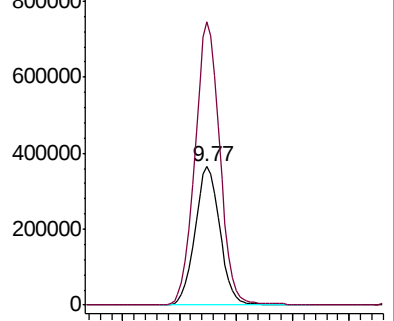
106 100

91 204.5 143.1 265.9

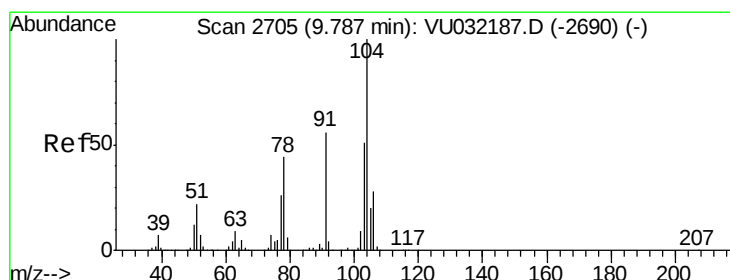


Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VU0



Time-->



#55

Styrene

Concen: 51.535 ug/L

RT: 9.79 min Scan# 2705

Delta R.T. 0.00 min

Lab File: VU032187.D

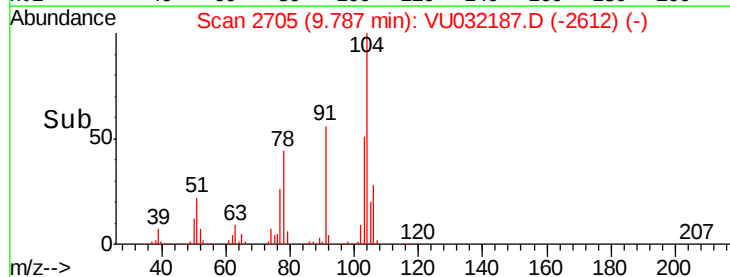
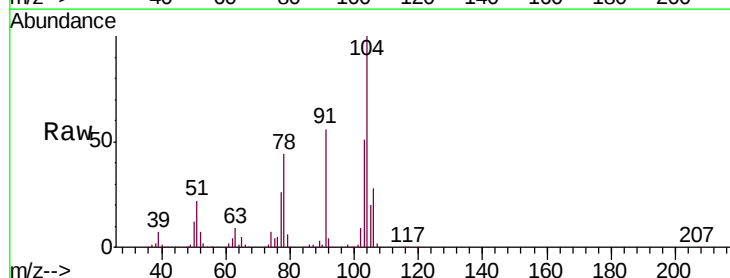
Acq: 21 May 2019 10:07

Tgt Ion:104 Resp: 959590

Ion Ratio Lower Upper

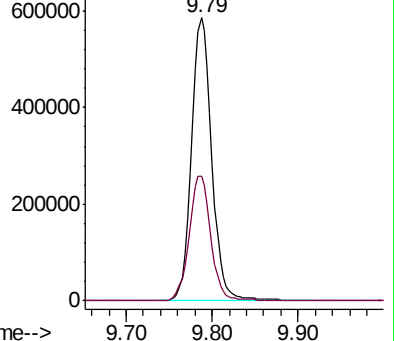
104 100

78 44.3 31.0 57.6

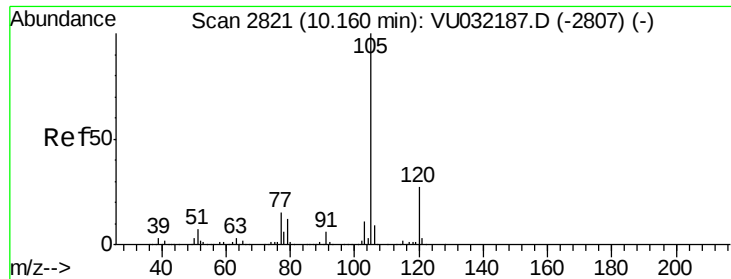


Abundance Ion 104.00 (103.70 to 104.70): V

Ion 78.00 (77.70 to 78.70): VU0



Time-->



#56

Isopropylbenzene

Concen: 50.392 ug/L

RT: 10.16 min Scan# 2821

Delta R.T. 0.00 min

Lab File: VU032187.D

Acq: 21 May 2019 10:07

Instrument :

MSVOA_U

ClientSampleId :

VSTD05053

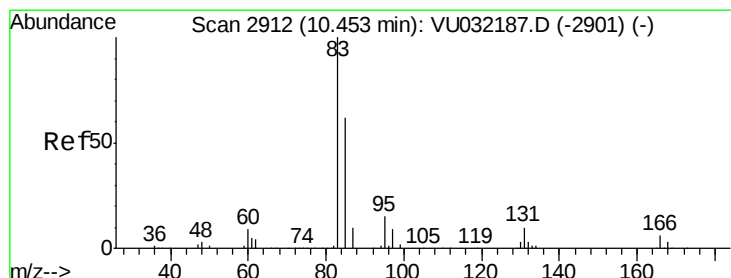
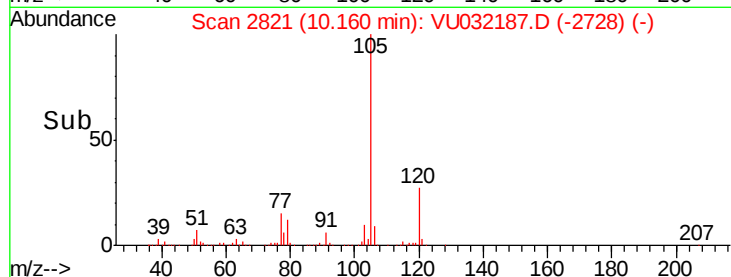
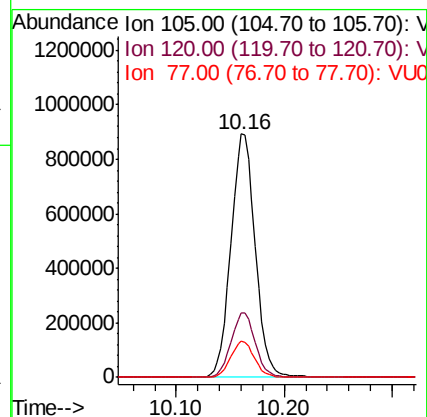
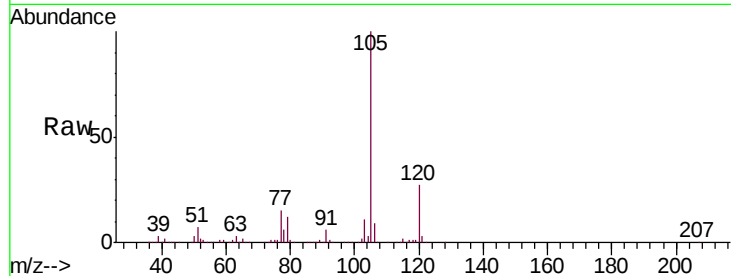
Tgt Ion: 105 Resp: 1400961

Ion Ratio Lower Upper

105 100

120 26.6 21.3 31.9

77 14.6 11.7 17.5



#58

1,1,2,2-Tetrachloroethane

Concen: 42.072 ug/L

RT: 10.45 min Scan# 2912

Delta R.T. 0.00 min

Lab File: VU032187.D

Acq: 21 May 2019 10:07

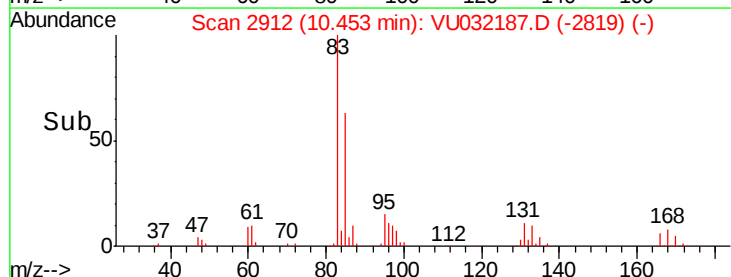
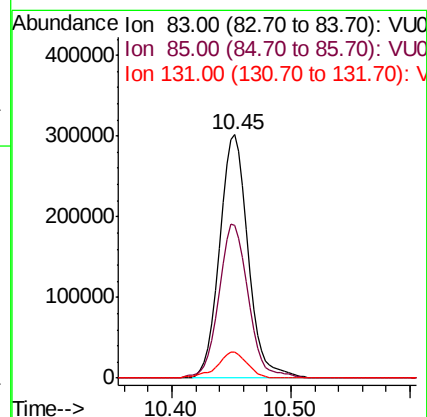
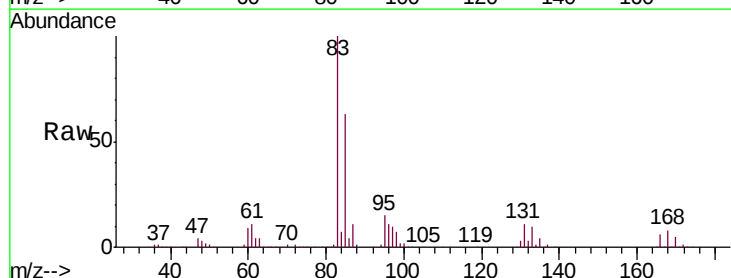
Tgt Ion: 83 Resp: 501068

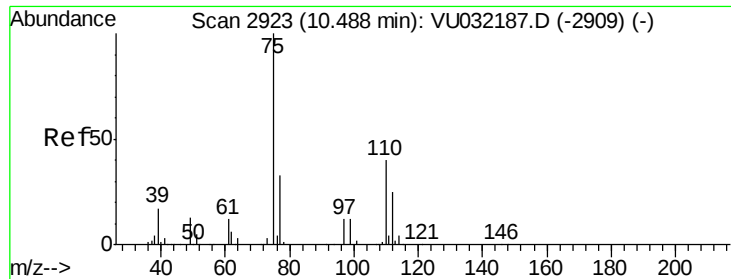
Ion Ratio Lower Upper

83 100

85 63.0 44.1 81.9

131 10.7 8.6 12.8

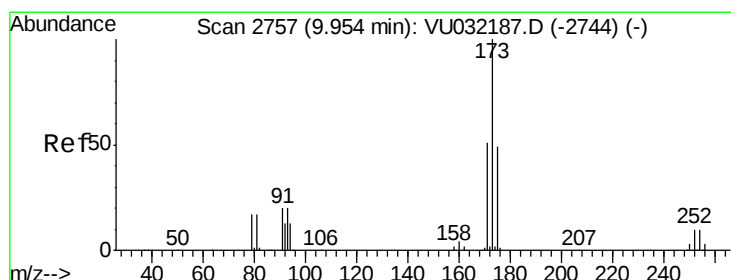
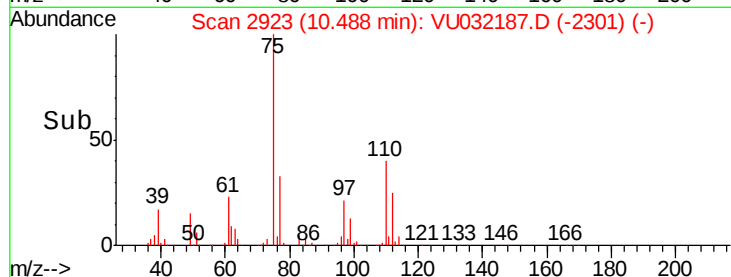
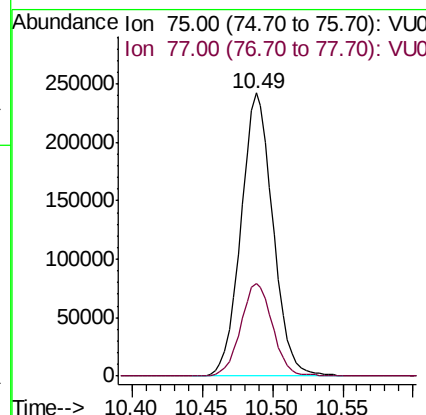
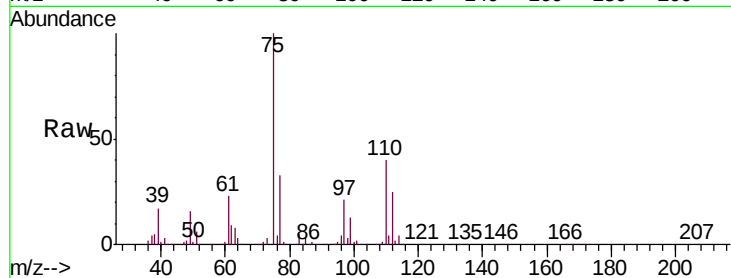




#59
 1,2,3-Trichloropropane
 Concen: 41.123 ug/L
 RT: 10.49 min Scan# 2923
 Delta R.T. 0.00 min
 Lab File: VU032187.D
 Acq: 21 May 2019 10:07

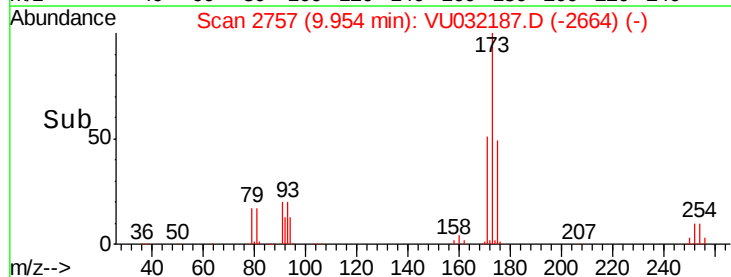
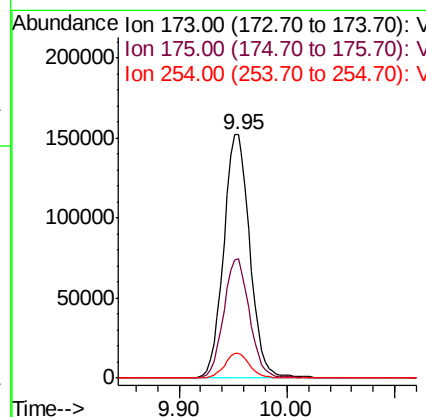
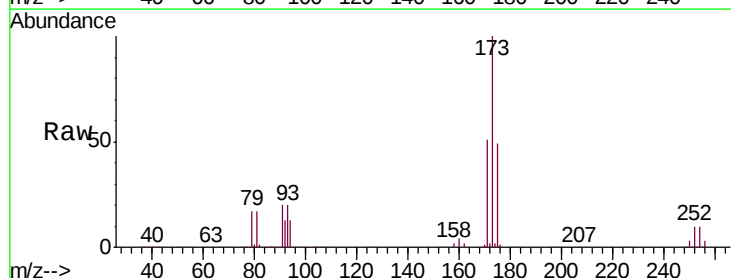
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD05053

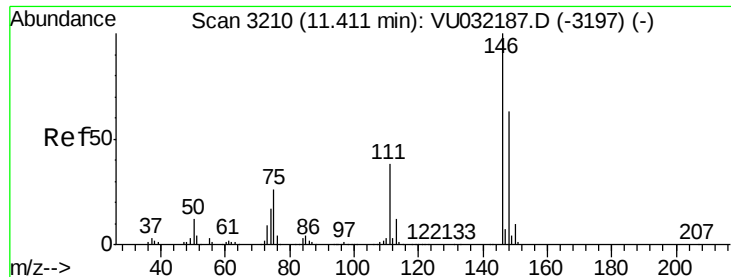
Tgt Ion: 75 Resp: 383877
 Ion Ratio Lower Upper
 75 100
 77 32.5 26.0 39.0



#61
 Bromoform
 Concen: 46.888 ug/L
 RT: 9.95 min Scan# 2757
 Delta R.T. 0.00 min
 Lab File: VU032187.D
 Acq: 21 May 2019 10:07

Tgt Ion: 173 Resp: 256771
 Ion Ratio Lower Upper
 173 100
 175 48.2 38.6 57.8
 254 9.7 7.8 11.6





#62

1,3-Dichlorobenzene

Concen: 48.636 ug/L

RT: 11.41 min Scan# 3210

Delta R.T. 0.00 min

Lab File: VU032187.D

Acq: 21 May 2019 10:07

Instrument :

MSVOA_U

ClientSampleId :

VSTD05053

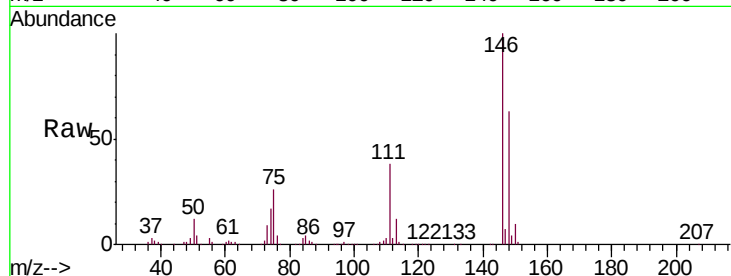
Tgt Ion:146 Resp: 652883

Ion Ratio Lower Upper

146 100

111 37.9 26.5 49.3

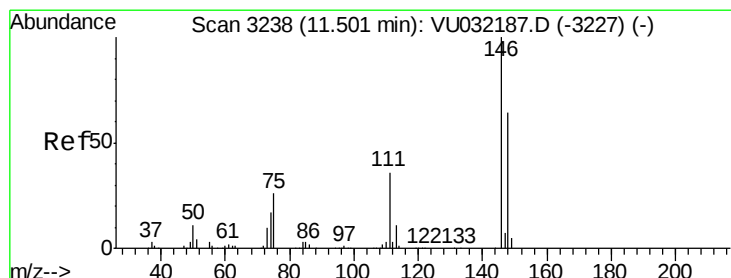
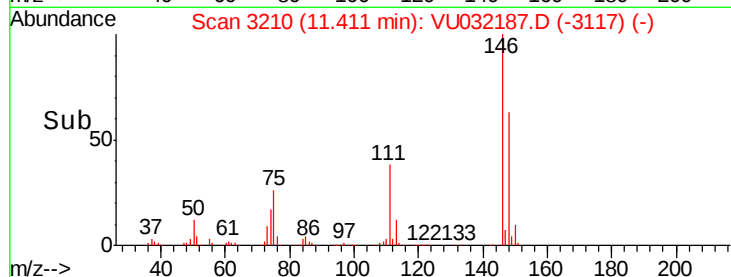
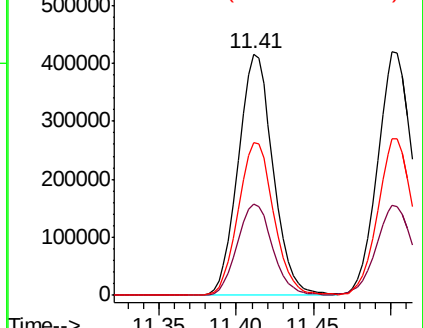
148 63.2 44.2 82.2



Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#63

1,4-Dichlorobenzene

Concen: 47.245 ug/L

RT: 11.50 min Scan# 3238

Delta R.T. 0.00 min

Lab File: VU032187.D

Acq: 21 May 2019 10:07

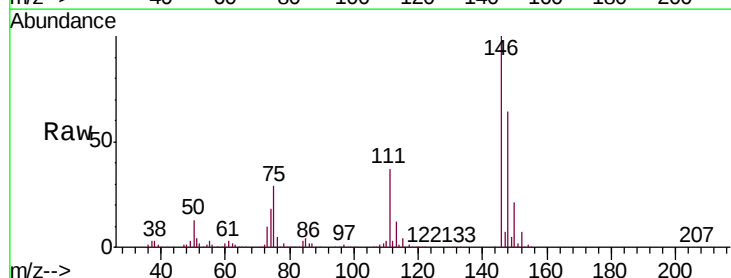
Tgt Ion:146 Resp: 667844

Ion Ratio Lower Upper

146 100

111 36.8 25.8 47.8

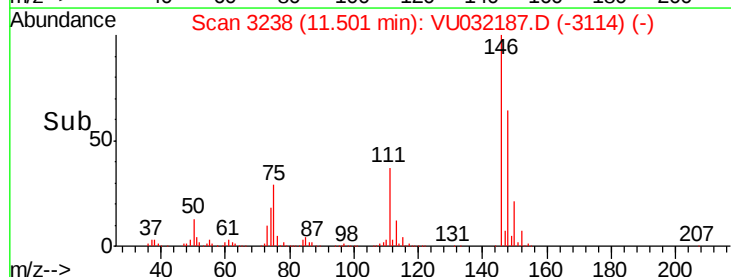
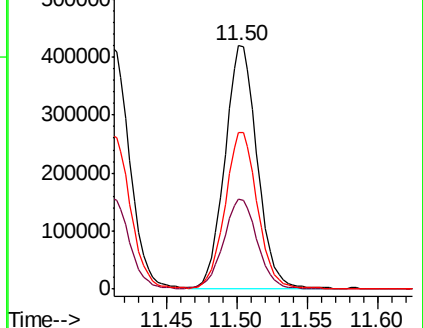
148 64.2 44.9 83.5

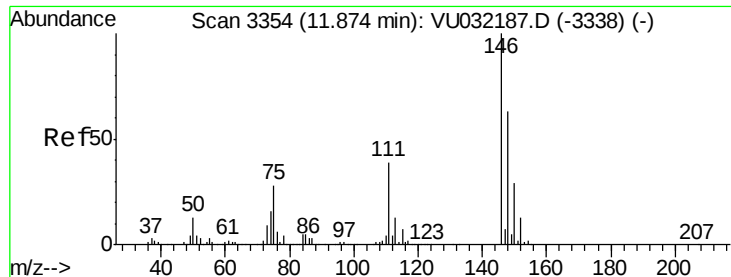


Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V

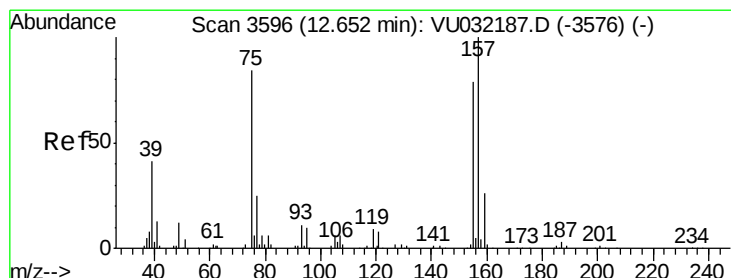
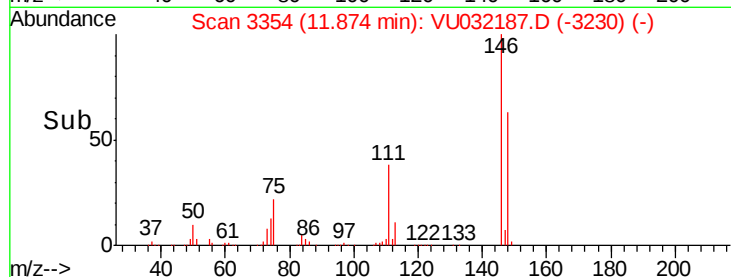
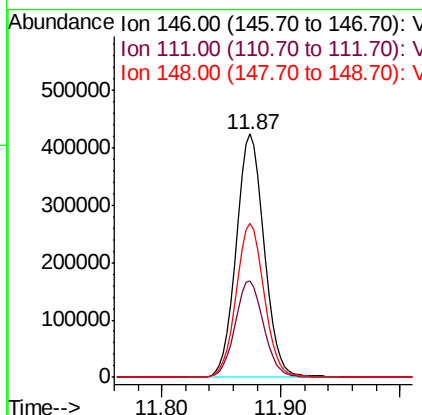
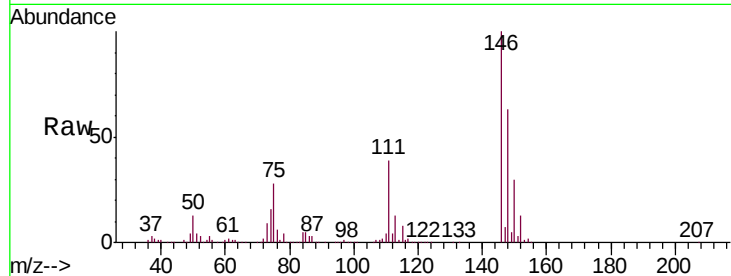




#65
 1,2-Dichlorobenzene
 Concen: 48.512 ug/L
 RT: 11.87 min Scan# 3354
 Delta R.T. 0.00 min
 Lab File: VU032187.D
 Acq: 21 May 2019 10:07

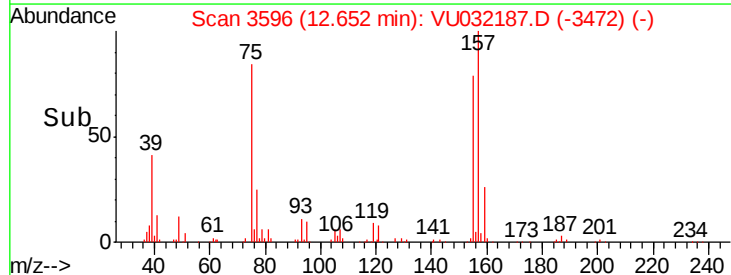
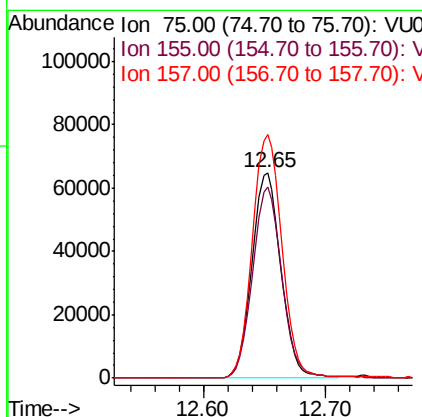
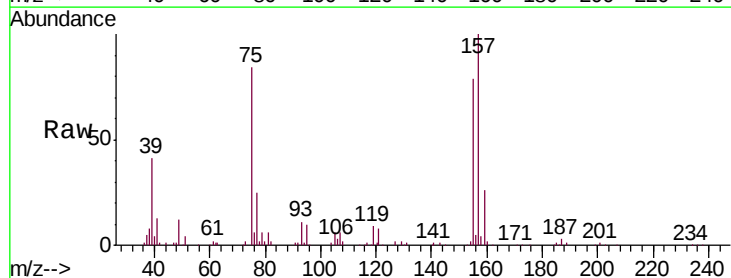
Instrument :
 MSVOA_U
 ClientSampled :
 VSTD05053

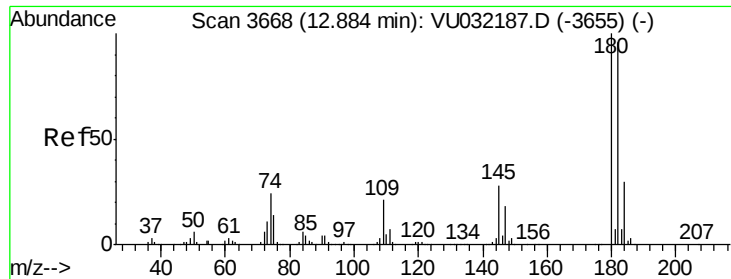
Tgt Ion: 146 Resp: 689392
 Ion Ratio Lower Upper
 146 100
 111 39.4 31.5 47.3
 148 63.3 50.6 76.0



#66
 1,2-Dibromo-3-chloropropane
 Concen: 39.993 ug/L
 RT: 12.65 min Scan# 3596
 Delta R.T. 0.00 min
 Lab File: VU032187.D
 Acq: 21 May 2019 10:07

Tgt Ion: 75 Resp: 105841
 Ion Ratio Lower Upper
 75 100
 155 93.3 74.6 112.0
 157 118.5 94.8 142.2

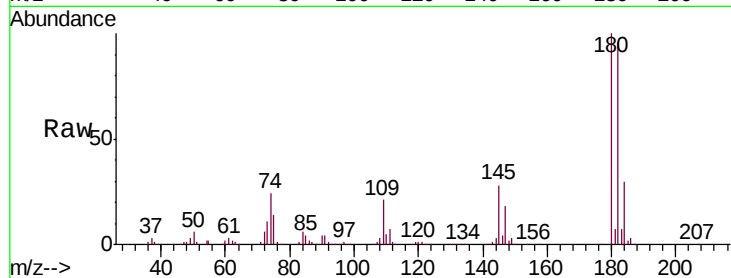




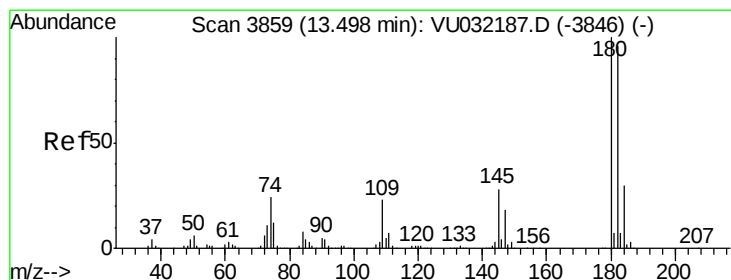
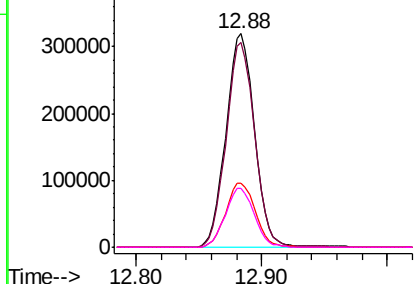
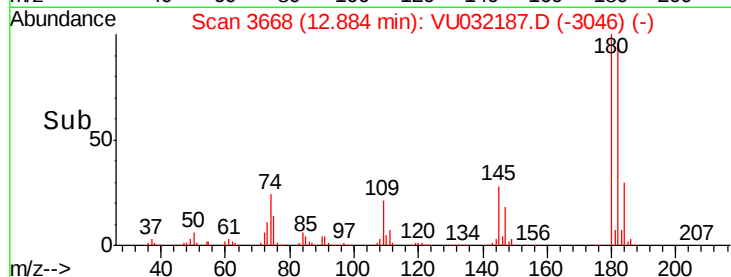
#67
 1,3,5-Trichlorobenzene
 Concen: 51.884 ug/L
 RT: 12.88 min Scan# 3668
 Delta R.T. 0.00 min
 Lab File: VU032187.D
 Acq: 21 May 2019 10:07

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD05053

Tgt Ion:	180	Resp:	505284
Ion	Ratio	Lower	Upper
180	100		
182	95.6	76.5	114.7
184	31.1	24.9	37.3
145	28.1	22.5	33.7

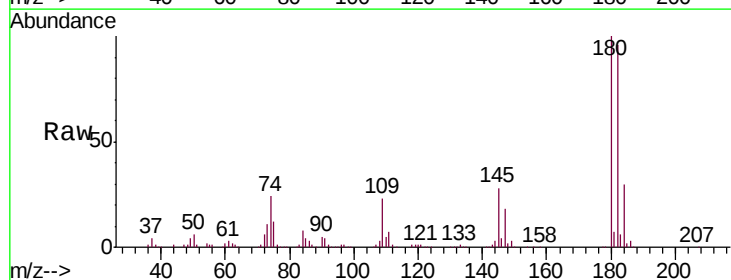


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V
 Ion 145.00 (144.70 to 145.70): V

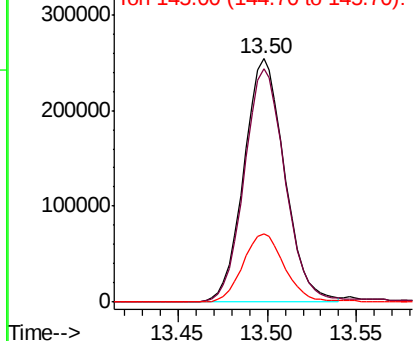
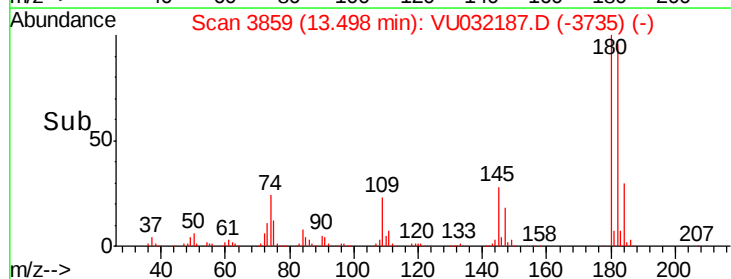


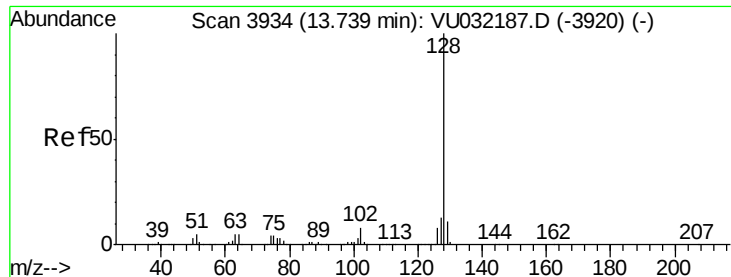
#68
 1,2,4-trichlorobenzene
 Concen: 54.228 ug/L
 RT: 13.50 min Scan# 3859
 Delta R.T. 0.00 min
 Lab File: VU032187.D
 Acq: 21 May 2019 10:07

Tgt Ion:	180	Resp:	406231
Ion	Ratio	Lower	Upper
180	100		
182	96.0	76.8	115.2
145	28.8	23.0	34.6



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: 53.379 ug/L

RT: 13.74 min Scan# 3934

Delta R.T. 0.00 min

Lab File: VU032187.D

Acq: 21 May 2019 10:07

Instrument :

MSVOA_U

ClientSampleId :

VSTD05053

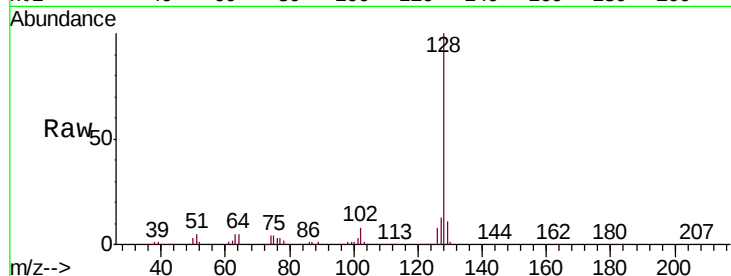
Tgt Ion:128 Resp: 1303399

Ion Ratio Lower Upper

128 100

127 12.9 10.3 15.5

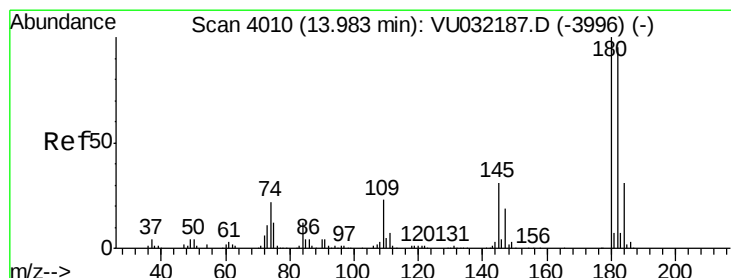
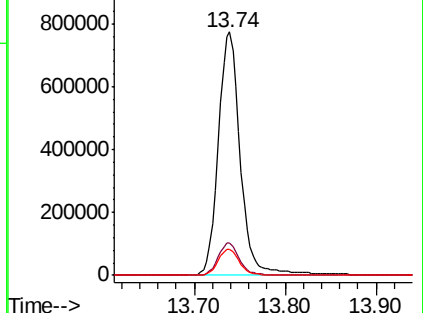
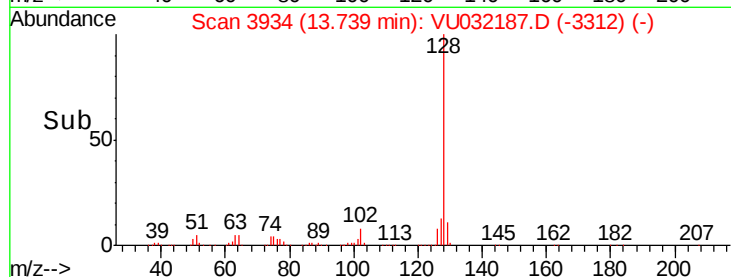
129 10.7 8.6 12.8



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: 55.912 ug/L

RT: 13.98 min Scan# 4010

Delta R.T. 0.00 min

Lab File: VU032187.D

Acq: 21 May 2019 10:07

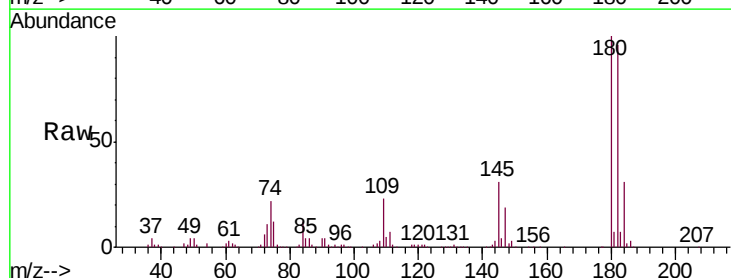
Tgt Ion:180 Resp: 456714

Ion Ratio Lower Upper

180 100

182 93.3 74.6 112.0

145 29.8 23.8 35.8



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

