

Data File : VU034652.D
Acq On : 19 Sep 2019 16:23
Operator : JC/SP
Sample : VSTD050
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 5 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
VSTD05033

Quant Time: Sep 19 17:14:07 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM091919WMA.M
Quant Title : VOC Analysis
QLast Update : Thu Sep 19 17:06:23 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.86	114	468698	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.07	117	454582	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.46	152	218603	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.39	65	232777	102.94	ug/L	0.00
7) Chloroethane-d5	1.67	69	181223	104.20	ug/L	0.00
11) 1,1-Dichloroethene-d2	2.26	63	396872	85.78	ug/L	0.00
21) 2-Butanone-d5	4.15	46	382855	150.15	ug/L	0.00
24) Chloroform-d	4.62	84	355706	69.29	ug/L	0.00
26) 1,2-Dichloroethane-d4	5.28	65	250335	79.92	ug/L	0.00
32) Benzene-d6	5.32	84	696098	69.64	ug/L	0.00
36) 1,2-Dichloropropane-d6	6.31	67	247189	66.43	ug/L	0.00
41) Toluene-d8	7.54	98	670854	69.13	ug/L	0.00
43) trans-1,3-Dichloropropene-	7.83	79	118565	66.80	ug/L	0.00
47) 2-Hexanone-d5	8.29	63	247748	122.74	ug/L	0.00
57) 1,1,2,2-Tetrachloroethane-	10.41	84	333777	57.41	ug/L	0.00
64) 1,2-Dichlorobenzene-d4	11.84	152	224345	57.53	ug/L	0.00

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.20	85	228935	79.280	ug/L	99
3) Chloromethane	1.32	50	269591	91.477	ug/L	99
5) Vinyl chloride	1.40	62	254199	87.857	ug/L	95
6) Bromomethane	1.62	94	137023	90.593	ug/L	100
8) Chloroethane	1.69	64	146965	88.649	ug/L	99
9) Trichlorofluoromethane	1.87	101	314642	76.851	ug/L	98
10) 1,1,2-Trichloro-1,2,2-trif	2.27	101	152441	62.486	ug/L	97
13) Acetone	2.31	43	388361	169.484	ug/L	90
14) Carbon disulfide	2.46	76	500364	91.495	ug/L	99
15) Methyl Acetate	2.60	43	271990	72.523	ug/L #	89
16) Methylene chloride	2.69	84	184282	62.594	ug/L	85
17) trans-1,2-Dichloroethene	2.96	96	159426	66.870	ug/L	77
18) Methyl tert-butyl Ether	2.98	73	598404	60.624	ug/L #	94
19) 1,1-Dichloroethane	3.42	63	367621	68.490	ug/L	98
20) cis-1,2-Dichloroethene	4.20	96	186342	60.352	ug/L	83
22) 2-Butanone	4.23	43	482139	165.397	ug/L	92
23) Bromochloromethane	4.52	128	89863	61.647	ug/L #	80
25) Chloroform	4.65	83	352927	62.874	ug/L	95
27) 1,2-Dichloroethane	5.32	62	3694	0.929	ug/L	97
29) Cyclohexane	4.97	56	359608	81.146	ug/L	93
30) 1,1,1-Trichloroethane	4.89	97	288285	63.464	ug/L	94
31) Carbon tetrachloride	5.11	117	251630	65.616	ug/L	97
33) Benzene	5.37	78	757835	65.722	ug/L	100
34) Trichloroethene	6.16	95	182686	63.601	ug/L	95
35) Methylcyclohexane	6.39	83	311942	71.635	ug/L	92
37) 1,2-Dichloropropane	6.41	63	226094	64.602	ug/L	98
38) Bromodichloromethane	6.73	83	272740	59.613	ug/L	99
39) cis-1,3-Dichloropropene	7.25	75	329663	62.696	ug/L	98
40) 4-Methyl-2-pentanone	7.44	43	846796	139.097	ug/L #	90
42) Toluene	7.61	91	824331	66.303	ug/L	100

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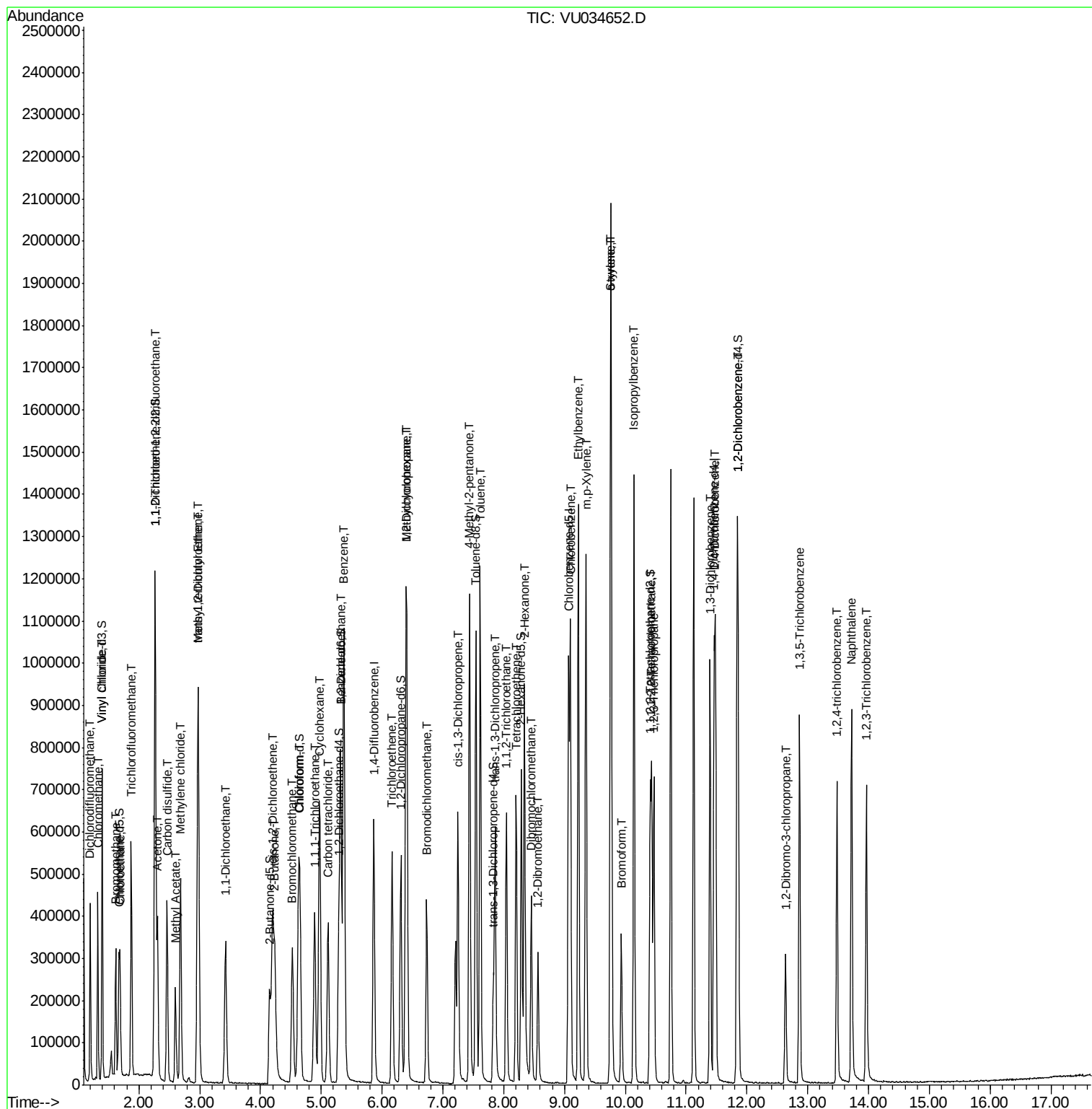
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) trans-1,3-Dichloropropene	7.86	75	313415	65.004	ug/L	96
45) 1,1,2-Trichloroethane	8.04	97	178211	55.798	ug/L	95
46) Tetrachloroethene	8.21	164	130842	68.624	ug/L	96
48) 2-Hexanone	8.34	43	663930	145.168	ug/L #	89
49) Dibromochloromethane	8.45	129	200942	55.552	ug/L	97
50) 1,2-Dibromoethane	8.56	107	195601	58.594	ug/L	99
51) Chlorobenzene	9.10	112	492263	60.605	ug/L	97
52) Ethylbenzene	9.23	91	910759	63.314	ug/L	98
53) m,p-Xylene	9.35	106	326373	63.108	ug/L	96
54) o-xylene	9.76	106	324242	61.798	ug/L	94
55) Styrene	9.77	104	548803	60.770	ug/L	95
56) Isopropylbenzene	10.14	105	861594	61.054	ug/L	98
58) 1,1,2,2-Tetrachloroethane	10.43	83	341109	53.707	ug/L	100
59) 1,2,3-Trichloropropane	10.47	75	274273	57.374	ug/L	97
61) Bromoform	9.94	173	144931	53.839	ug/L	98
62) 1,3-Dichlorobenzene	11.39	146	353252	55.883	ug/L	99
63) 1,4-Dichlorobenzene	11.48	146	356251	55.812	ug/L	98
65) 1,2-Dichlorobenzene	11.86	146	356560	55.919	ug/L	97
66) 1,2-Dibromo-3-chloropropan	12.63	75	77283	53.497	ug/L	88
67) 1,3,5-Trichlorobenzene	12.86	180	234542	56.927	ug/L	98
68) 1,2,4-trichlorobenzene	13.48	180	195865	55.649	ug/L	100
69) Naphthalene	13.72	128	662224	50.926	ug/L	99
70) 1,2,3-Trichlorobenzene	13.96	180	191436	53.129	ug/L	97

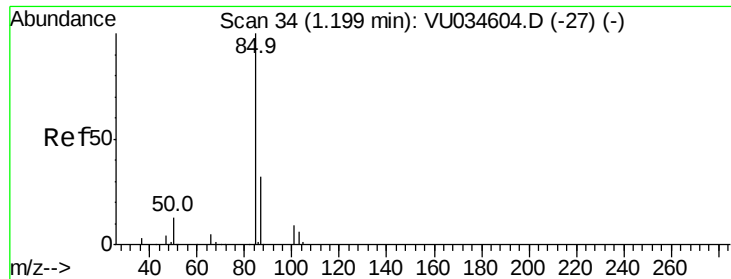
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#2

Dichlorodifluoromethane

Concen: 79.280 ug/L

RT: 1.20 min Scan# 34

Delta R.T. 0.00 min

Lab File: VU034652.D

Acq: 19 Sep 2019 16:23

Instrument :

MSVOA_U

ClientSampleId :

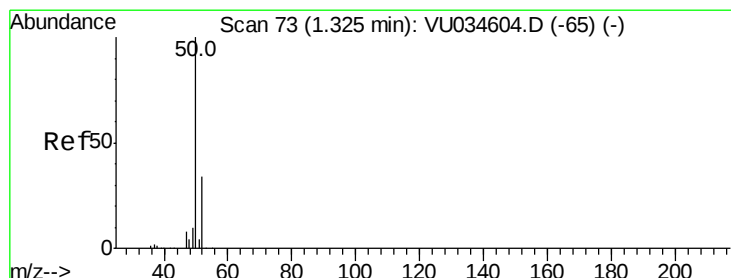
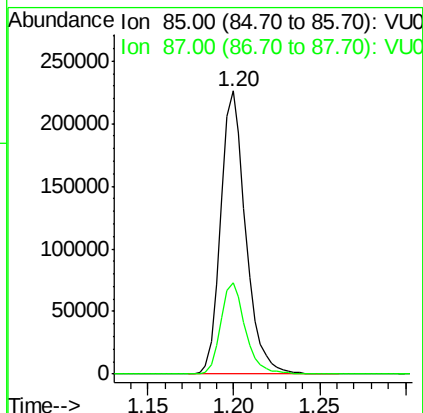
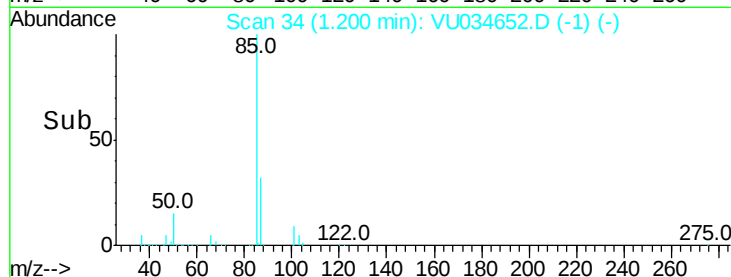
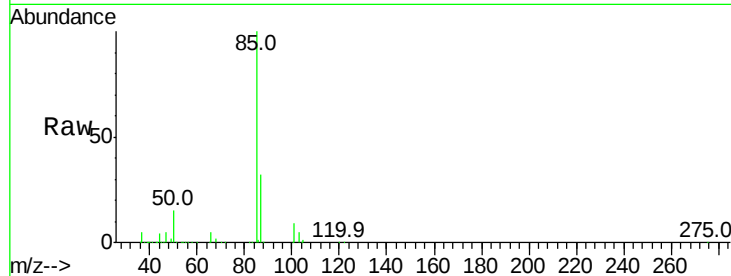
VSTD05033

Tgt Ion: 85 Resp: 228935

Ion Ratio Lower Upper

85 100

87 31.9 26.1 39.1



#3

Chloromethane

Concen: 91.477 ug/L

RT: 1.32 min Scan# 73

Delta R.T. 0.00 min

Lab File: VU034652.D

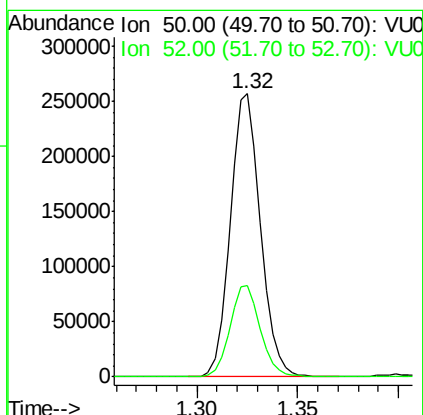
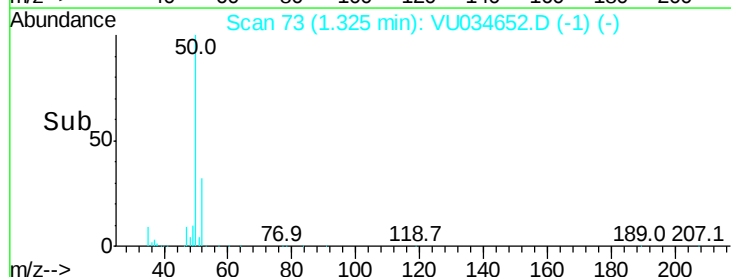
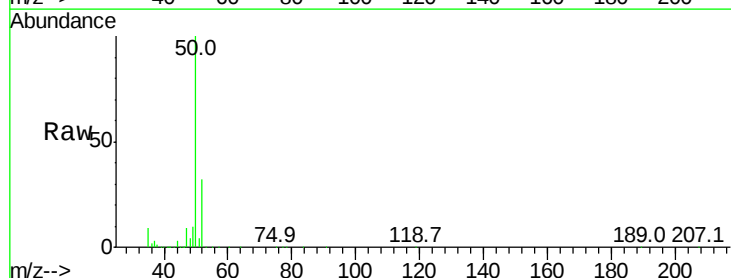
Acq: 19 Sep 2019 16:23

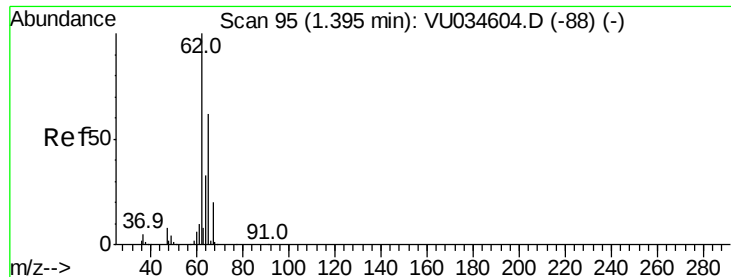
Tgt Ion: 50 Resp: 269591

Ion Ratio Lower Upper

50 100

52 32.4 23.2 43.0





#5

Vinyl chloride

Concen: 87.857 ug/L

RT: 1.40 min Scan# 96

Delta R.T. 0.00 min

Lab File: VU034652.D

Acq: 19 Sep 2019 16:23

Instrument :

MSVOA_U

ClientSampleId :

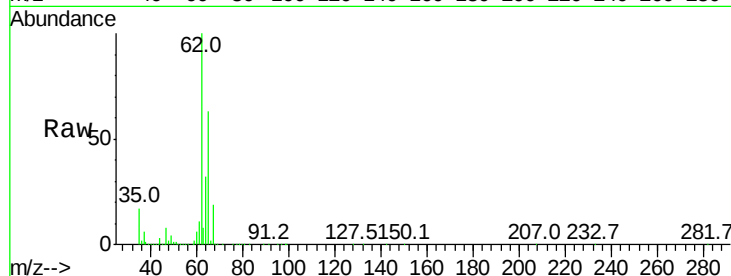
VSTD05033

Tgt Ion: 62 Resp: 254199

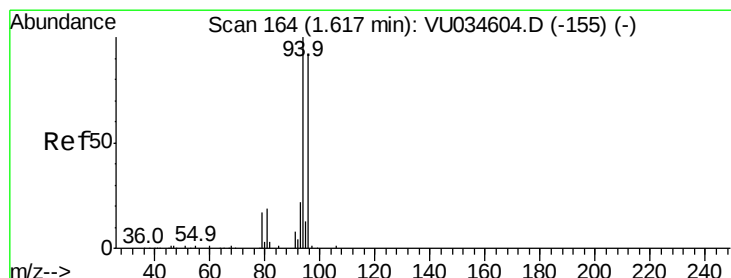
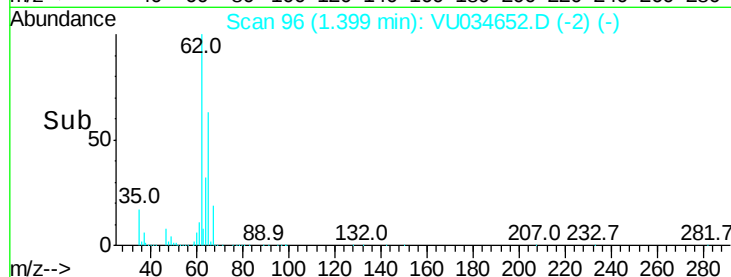
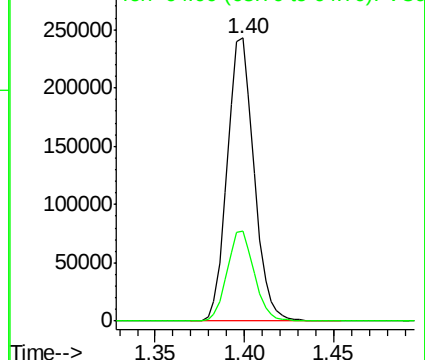
Ion Ratio Lower Upper

62 100

64 31.7 24.1 44.7



Abundance Ion 62.00 (61.70 to 62.70): VU034652.D (-2) (-)



#6

Bromomethane

Concen: 90.593 ug/L

RT: 1.62 min Scan# 164

Delta R.T. 0.00 min

Lab File: VU034652.D

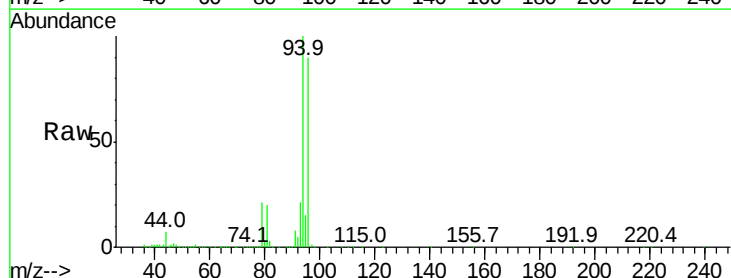
Acq: 19 Sep 2019 16:23

Tgt Ion: 94 Resp: 137023

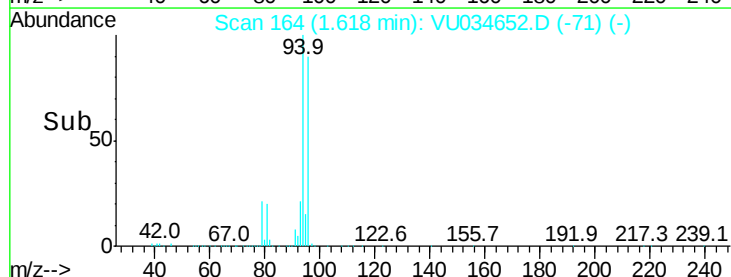
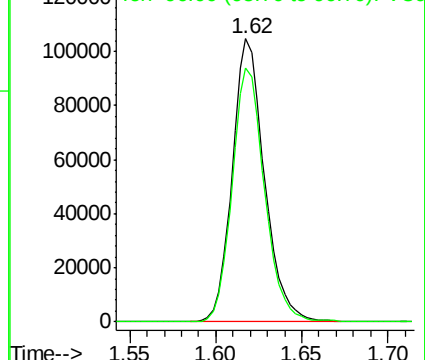
Ion Ratio Lower Upper

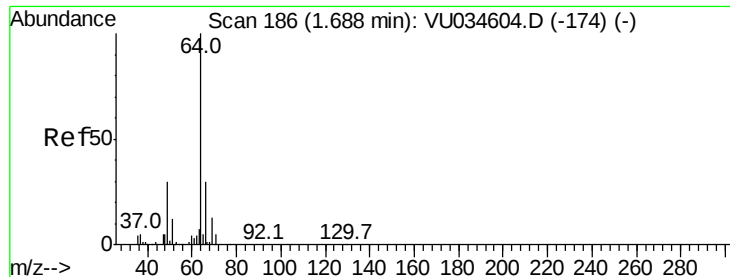
94 100

96 89.7 62.9 116.9



Abundance Ion 94.00 (93.70 to 94.70): VU034652.D (-71) (-)





#8

Chloroethane

Concen: 88.649 ug/L

RT: 1.69 min Scan# 186

Delta R.T. 0.00 min

Lab File: VU034652.D

Acq: 19 Sep 2019 16:23

Instrument :

MSVOA_U

ClientSampleId :

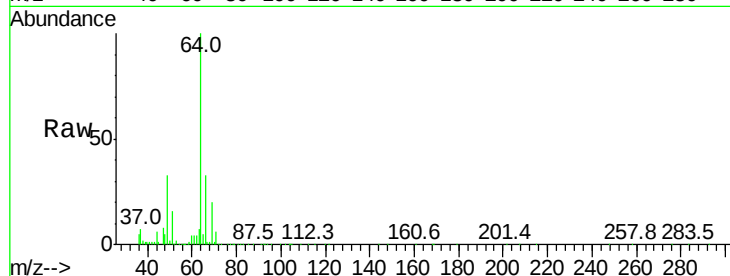
VSTD05033

Tgt Ion: 64 Resp: 146965

Ion Ratio Lower Upper

64 100

66 33.0 22.7 42.1



Abundance Ion 64.00 (63.70 to 64.70): VU034604.D (-174) (-)

Ion 66.00 (65.70 to 66.70): VU034604.D (-174) (-)

1.69

120000

100000

80000

60000

40000

20000

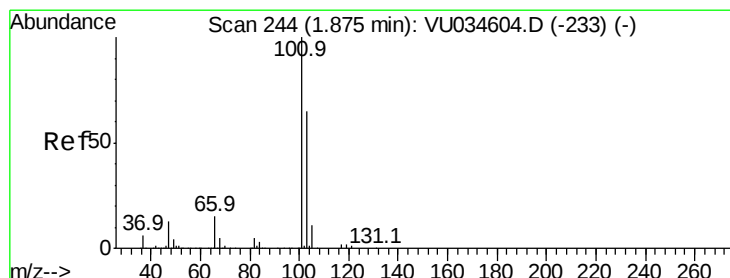
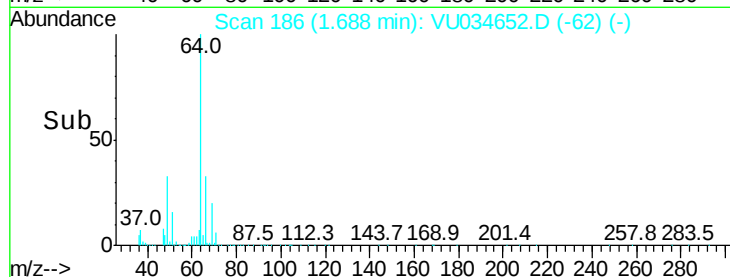
0

1.65

1.70

1.75

Time-->



#9

Trichlorofluoromethane

Concen: 76.851 ug/L

RT: 1.87 min Scan# 244

Delta R.T. 0.00 min

Lab File: VU034652.D

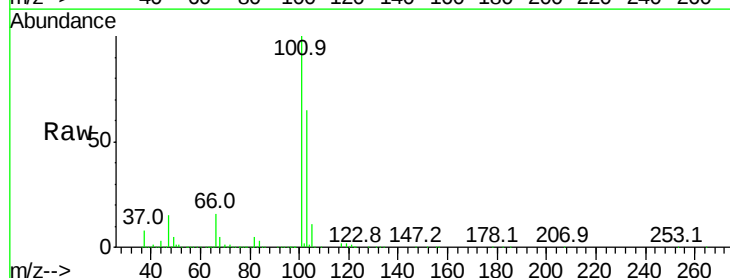
Acq: 19 Sep 2019 16:23

Tgt Ion: 101 Resp: 314642

Ion Ratio Lower Upper

101 100

103 64.8 50.7 76.1



Abundance Ion 101.00 (100.70 to 101.70): VU034604.D (-233) (-)

Ion 103.00 (102.70 to 103.70): VU034604.D (-233) (-)

1.87

250000

200000

150000

100000

50000

0

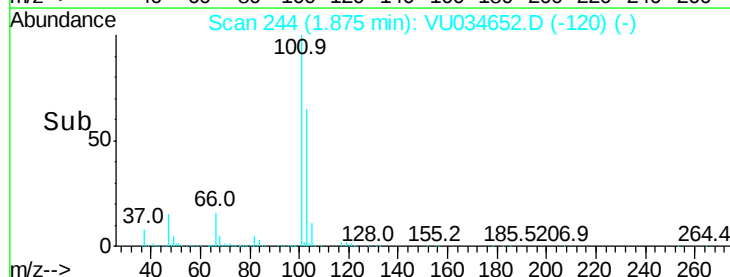
1.80

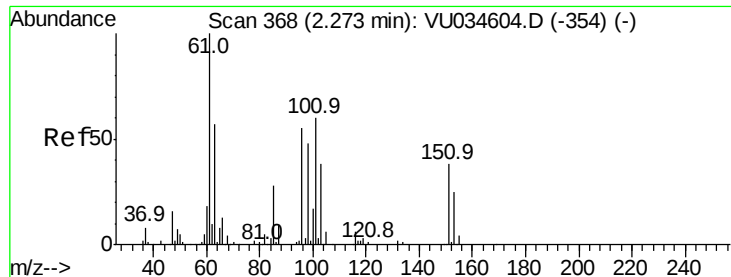
1.85

1.90

1.95

Time-->





#10

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

Concen: 62.486 ug/L

RT: 2.27 min Scan# 368

Delta R.T. 0.00 min

Lab File: VU034652.D

Acq: 19 Sep 2019 16:23

Instrument :

MSVOA_U

ClientSampleId :

VSTD05033

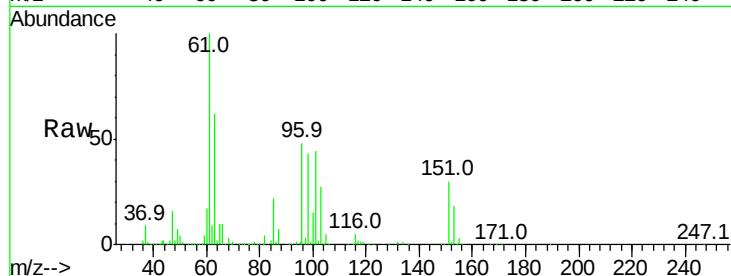
Tgt Ion:101 Resp: 152441

Ion Ratio Lower Upper

101 100

85 48.7 37.0 55.6

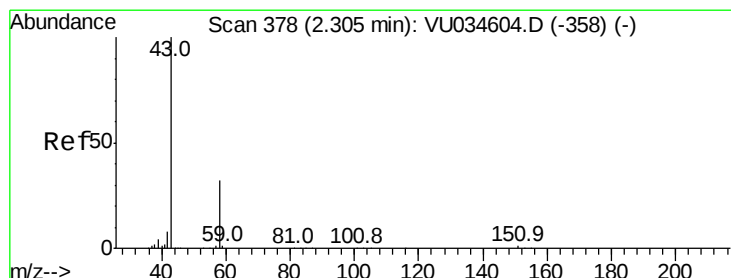
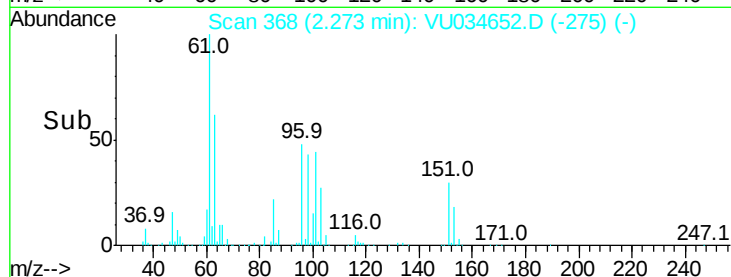
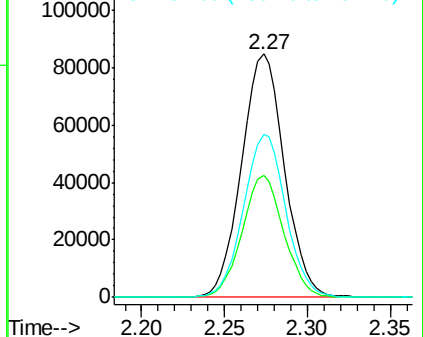
151 66.0 54.1 81.1



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 85.00 (84.70 to 85.70): VU0

Ion 151.00 (150.70 to 151.70): V



#13

Acetone

Concen: 169.484 ug/L

RT: 2.31 min Scan# 378

Delta R.T. 0.00 min

Lab File: VU034652.D

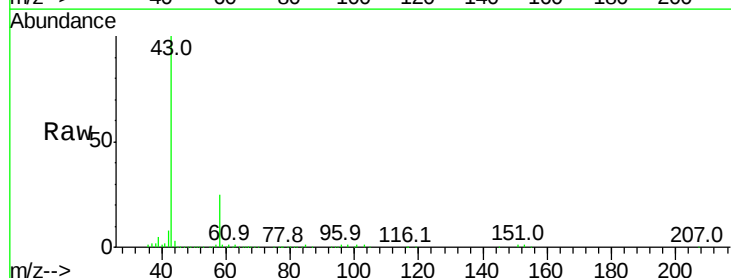
Acq: 19 Sep 2019 16:23

Tgt Ion: 43 Resp: 388361

Ion Ratio Lower Upper

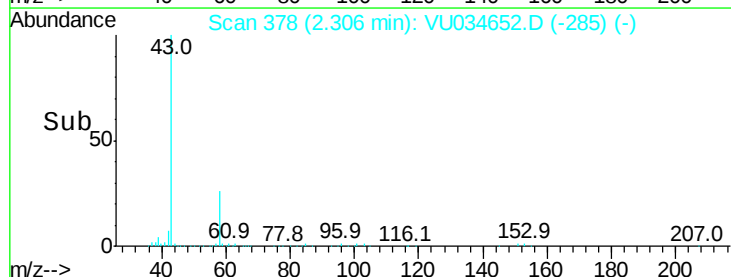
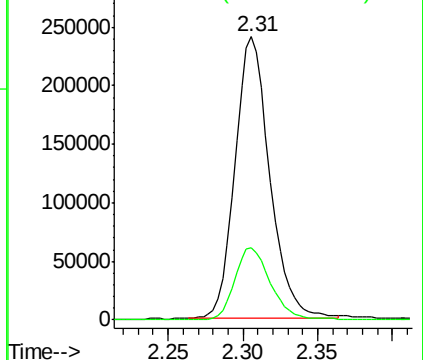
43 100

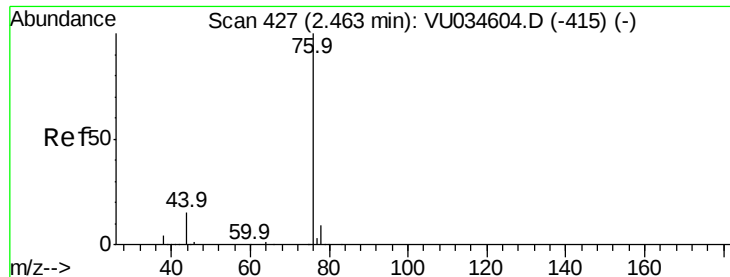
58 26.7 0.0 65.0



Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 58.00 (57.70 to 58.70): VU0





#14

Carbon disulfide

Concen: 91.495 ug/L

RT: 2.46 min Scan# 427

Delta R.T. 0.00 min

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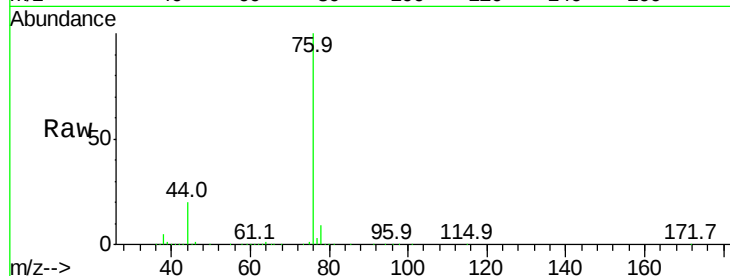
VSTD05033

Tgt Ion: 76 Resp: 500364

Ion Ratio Lower Upper

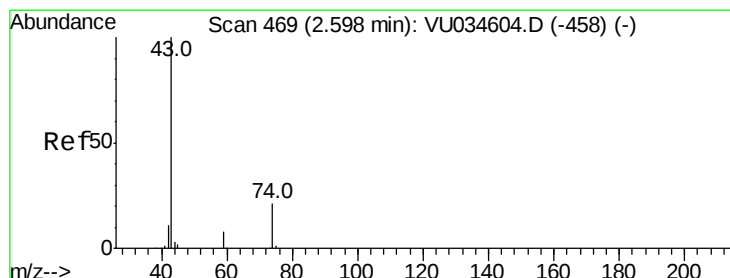
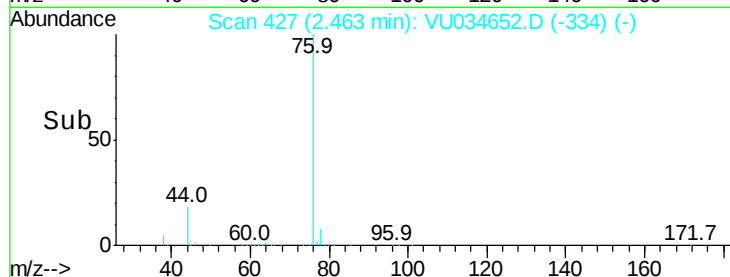
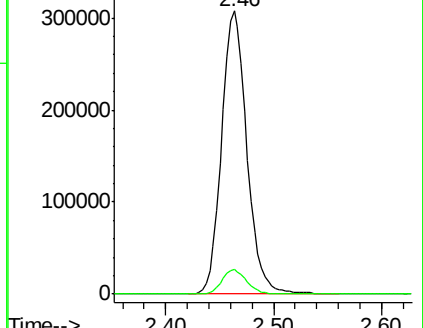
76 100

78 8.6 7.1 10.7



Abundance Ion 76.00 (75.70 to 76.70): VU034652.D (-334) (-)

Ion 78.00 (77.70 to 78.70): VU034652.D (-334) (-)



#15

Methyl Acetate

Concen: 72.523 ug/L

RT: 2.60 min Scan# 469

Delta R.T. 0.00 min

Lab File: VU034652.D

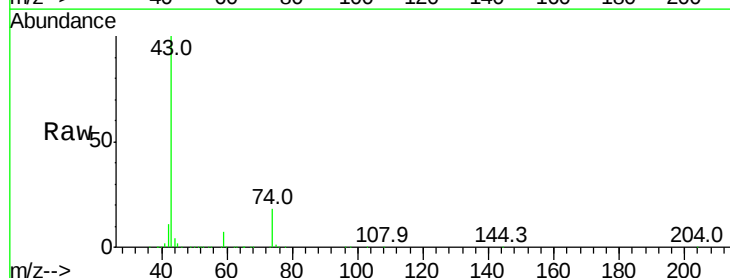
Acq: 19 Sep 2019 16:23

Tgt Ion: 43 Resp: 271990

Ion Ratio Lower Upper

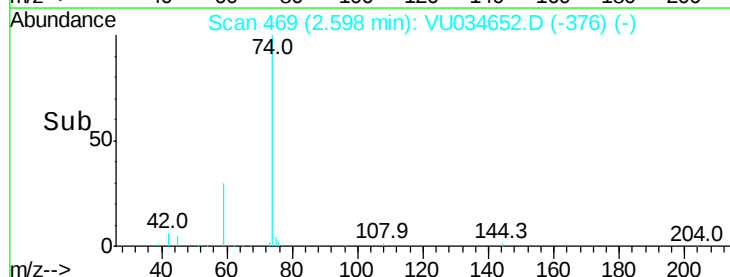
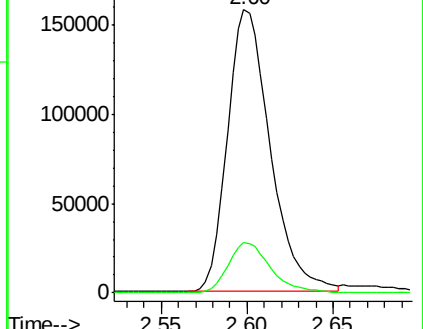
43 100

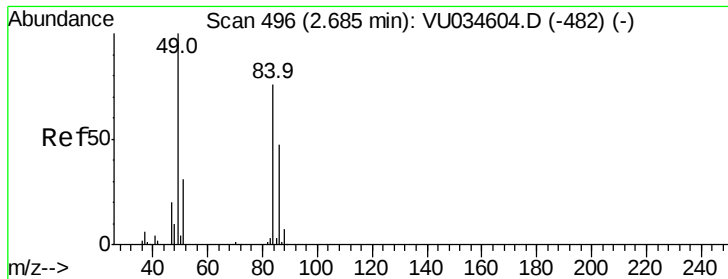
74 18.0 18.6 28.0#



Abundance Ion 43.00 (42.70 to 43.70): VU034652.D (-376) (-)

Ion 74.00 (73.70 to 74.70): VU034652.D (-376) (-)

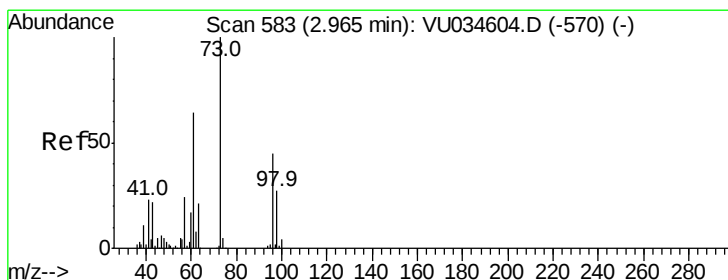
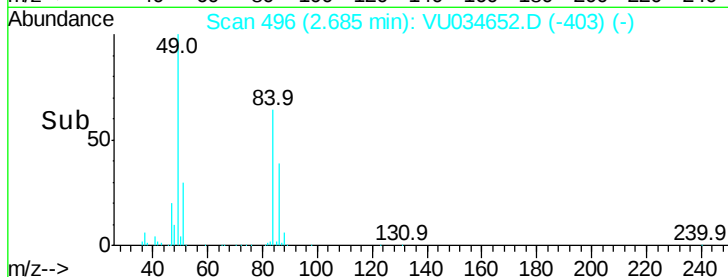
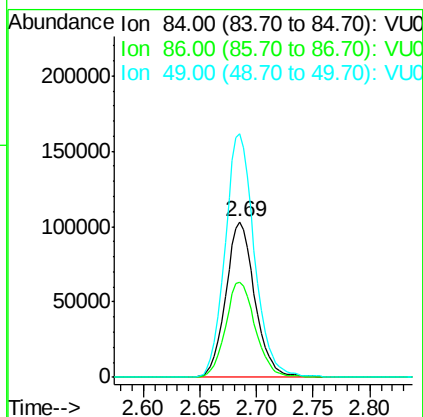
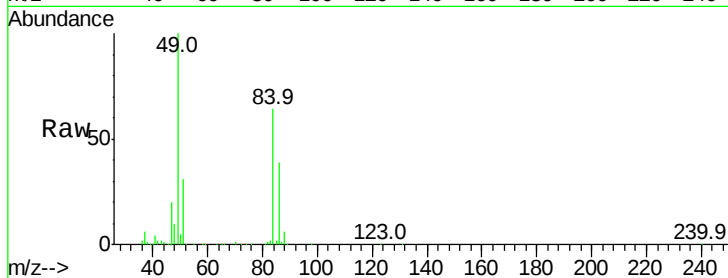




#16
Methylene chloride
Concen: 62.594 ug/L
RT: 2.69 min Scan# 496
Delta R.T. 0.00 min
Lab File: VU034652.D
Acq: 19 Sep 2019 16:23

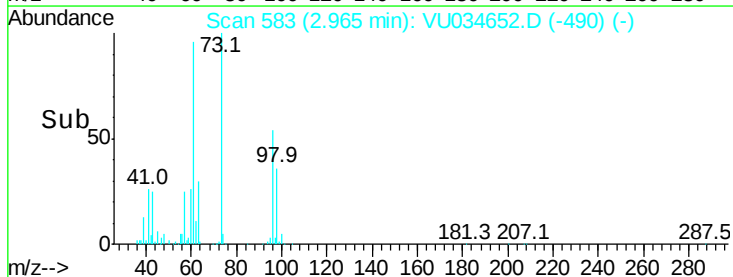
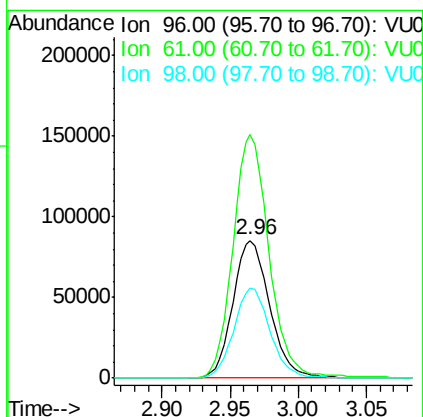
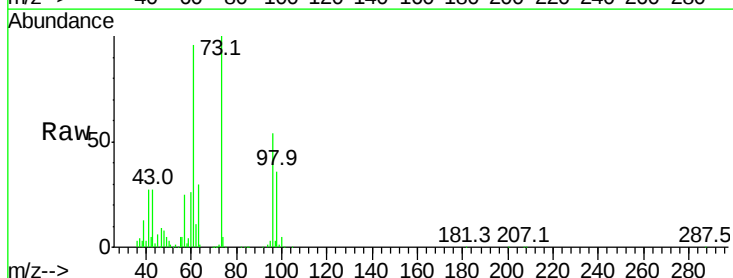
Instrument :
MSVOA_U
ClientSampleId :
VSTD05033

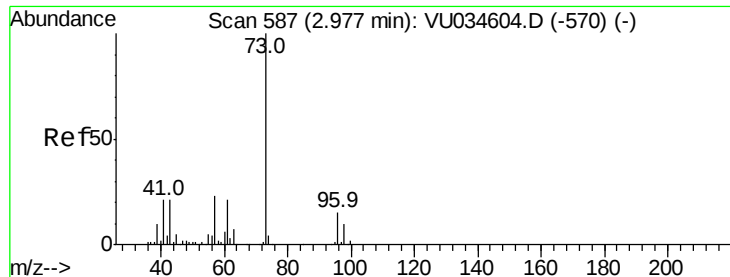
Tgt Ion: 84 Resp: 184282
Ion Ratio Lower Upper
84 100
86 61.5 45.4 84.4
49 156.7 93.1 172.9



#17
trans-1,2-Dichloroethene
Concen: 66.870 ug/L
RT: 2.96 min Scan# 583
Delta R.T. 0.00 min
Lab File: VU034652.D
Acq: 19 Sep 2019 16:23

Tgt Ion: 96 Resp: 159426
Ion Ratio Lower Upper
96 100
61 177.2 97.0 180.2
98 65.9 44.1 81.9

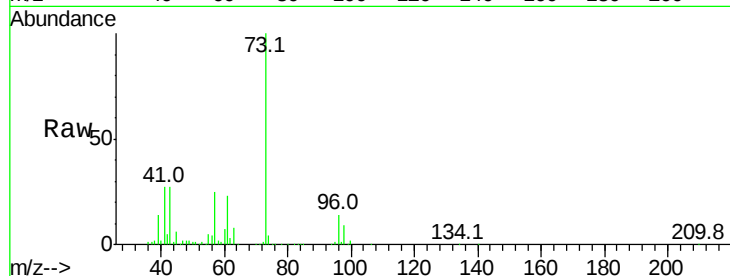




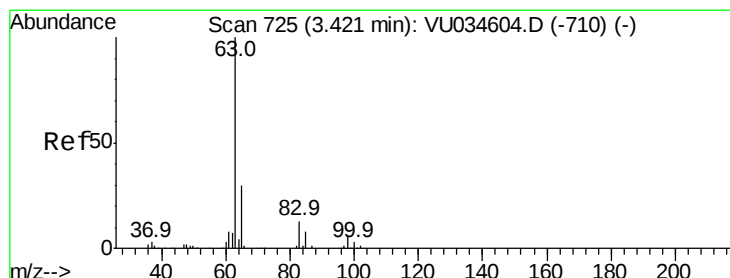
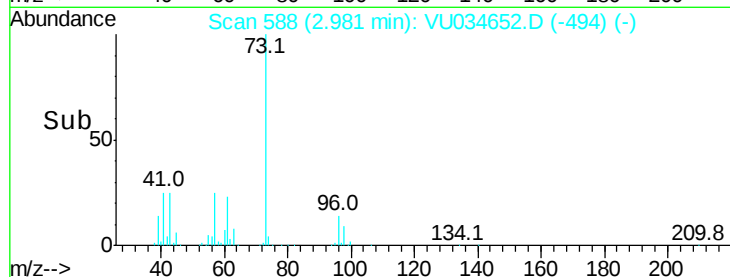
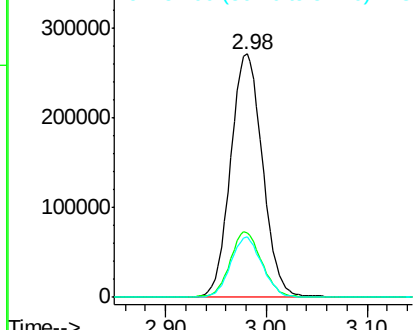
#18
Methyl tert-butyl Ether
Concen: 60.624 ug/L
RT: 2.98 min Scan# 588
Delta R.T. 0.00 min
Lab File: VU034652.D
Acq: 19 Sep 2019 16:23

Instrument :
MSVOA_U
ClientSampleId :
VSTD05033

Tgt Ion: 73 Resp: 598404
Ion Ratio Lower Upper
73 100
43 26.1 16.7 25.1#
57 24.4 18.6 28.0

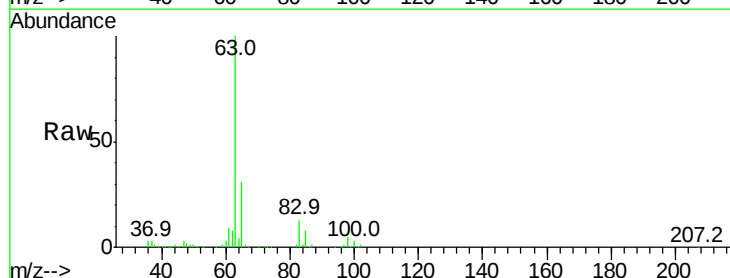


Abundance Ion 73.00 (72.70 to 73.70): VU0
Ion 43.00 (42.70 to 43.70): VU0
Ion 57.00 (56.70 to 57.70): VU0

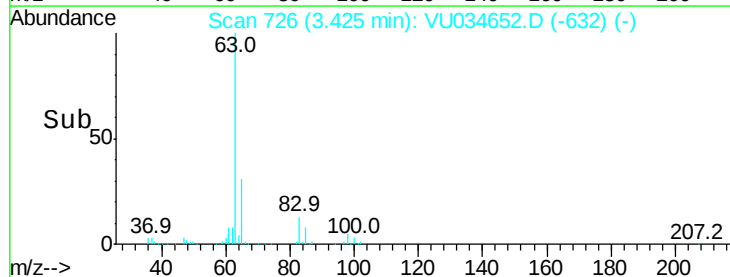
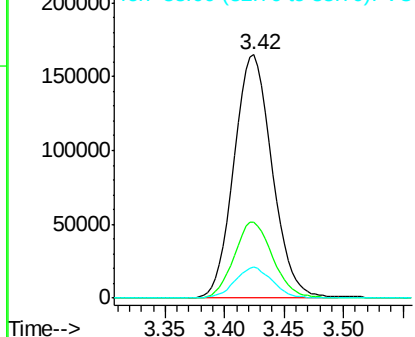


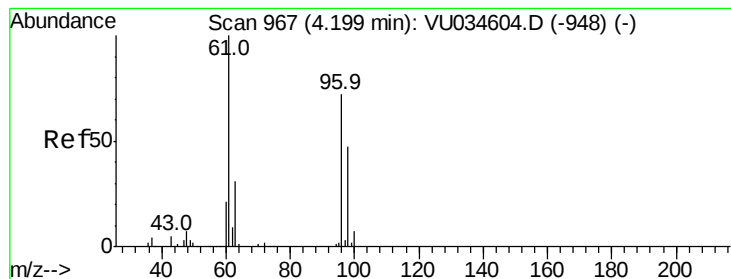
#19
1,1-Dichloroethane
Concen: 68.490 ug/L
RT: 3.42 min Scan# 726
Delta R.T. 0.00 min
Lab File: VU034652.D
Acq: 19 Sep 2019 16:23

Tgt Ion: 63 Resp: 367621
Ion Ratio Lower Upper
63 100
65 31.4 21.6 40.0
83 12.7 9.7 17.9



Abundance Ion 63.00 (62.70 to 63.70): VU0
Ion 65.00 (64.70 to 65.70): VU0
Ion 83.00 (82.70 to 83.70): VU0





#20

cis-1,2-Dichloroethene

Concen: 60.352 ug/L

RT: 4.20 min Scan# 967

Delta R.T. 0.00 min

Lab File: VU034652.D

Acq: 19 Sep 2019 16:23

Instrument :

MSVOA_U

ClientSampleId :

VSTD05033

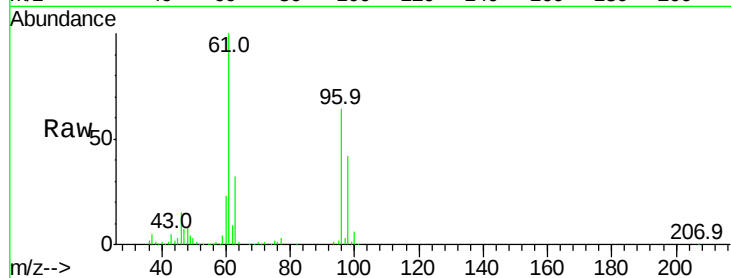
Tgt Ion: 96 Resp: 186342

Ion Ratio Lower Upper

96 100

61 155.5 94.7 175.9

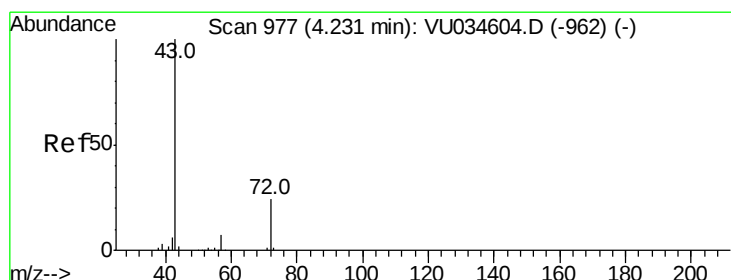
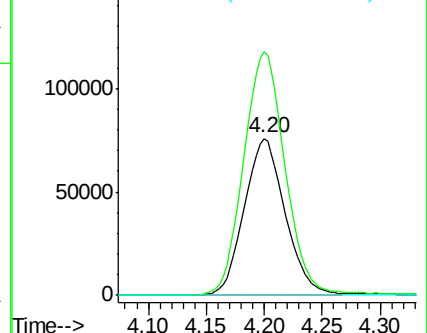
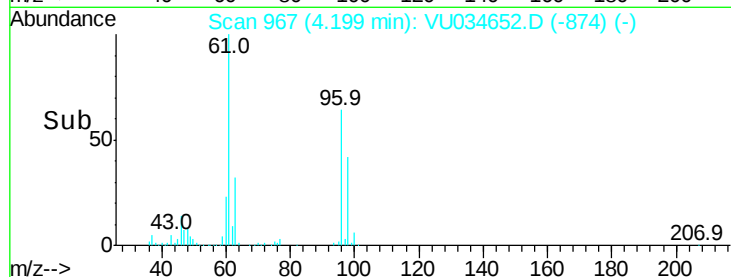
68 0.0 0.0 0.0



Abundance Ion 96.00 (95.70 to 96.70): VU034604.D (-948) (-)

Ion 61.00 (60.70 to 61.70): VU034604.D (-948) (-)

Ion 68.00 (67.70 to 68.70): VU034604.D (-948) (-)



#22

2-Butanone

Concen: 165.397 ug/L

RT: 4.23 min Scan# 978

Delta R.T. 0.00 min

Lab File: VU034652.D

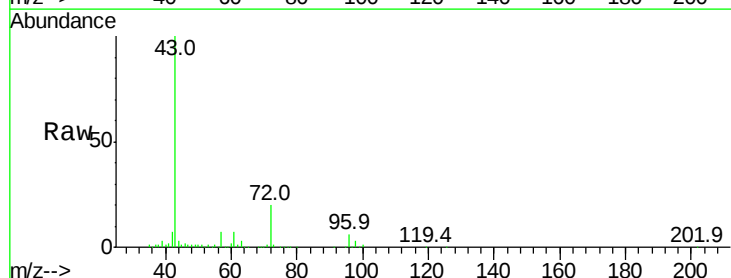
Acq: 19 Sep 2019 16:23

Tgt Ion: 43 Resp: 482139

Ion Ratio Lower Upper

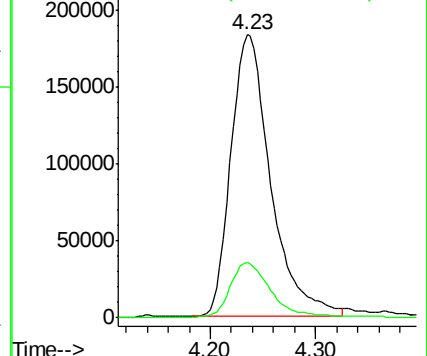
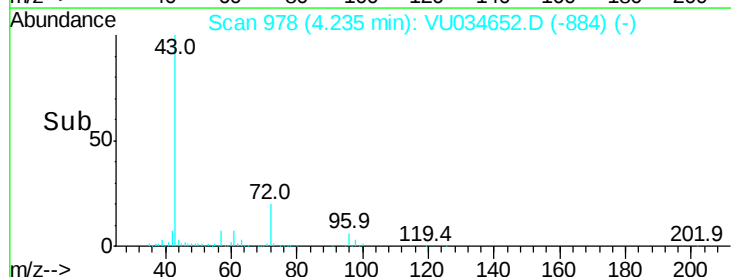
43 100

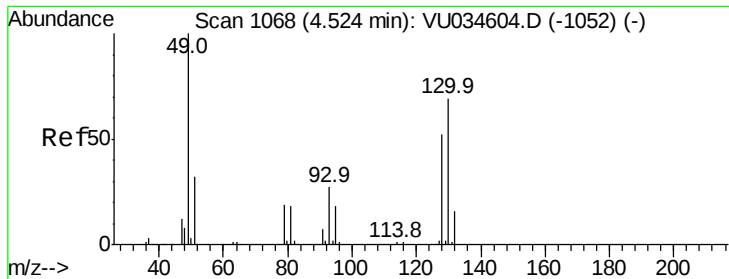
72 20.4 12.0 36.1



Abundance Ion 43.00 (42.70 to 43.70): VU034604.D (-962) (-)

Ion 72.00 (71.70 to 72.70): VU034604.D (-962) (-)





#23

Bromochloromethane

Concen: 61.647 ug/L

RT: 4.52 min Scan# 1068

Delta R.T. 0.00 min

Lab File: VU034652.D

Acq: 19 Sep 2019 16:23

Instrument :

MSVOA_U

ClientSampleId :

VSTD05033

Tgt Ion:128 Resp: 89863

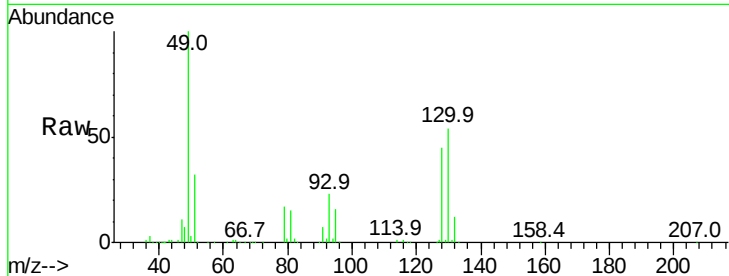
Ion Ratio Lower Upper

128 100

49 220.5 125.6 233.3

130 118.6 89.8 166.8

51 70.5 46.0 69.0#

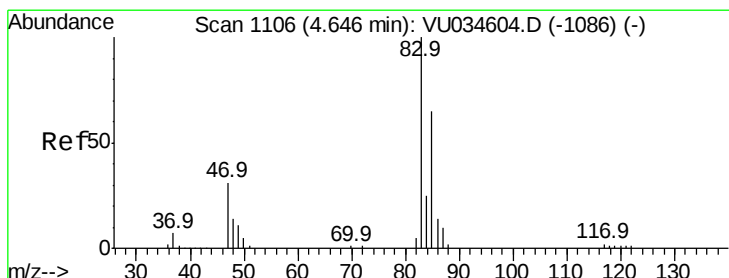
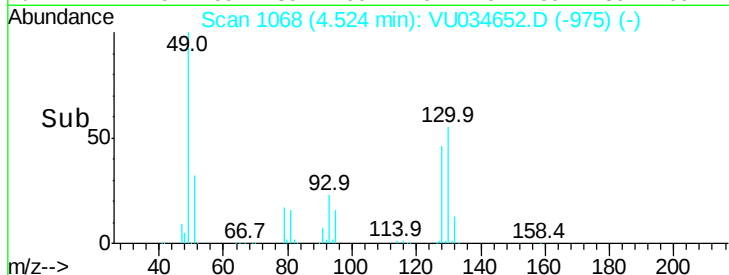
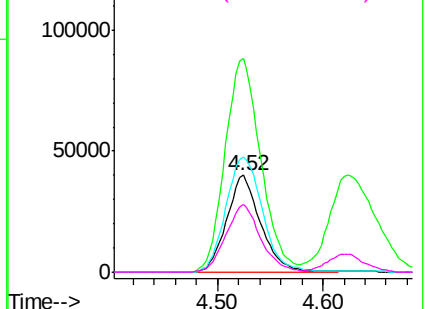


Abundance Ion 128.00 (127.70 to 128.70): V

Ion 49.00 (48.70 to 49.70): VU0

Ion 130.00 (129.70 to 130.70): V

Ion 51.00 (50.70 to 51.70): VU0



#25

Chloroform

Concen: 62.874 ug/L

RT: 4.65 min Scan# 1106

Delta R.T. 0.00 min

Lab File: VU034652.D

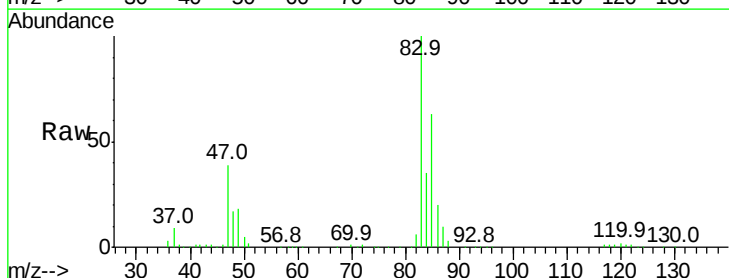
Acq: 19 Sep 2019 16:23

Tgt Ion: 83 Resp: 352927

Ion Ratio Lower Upper

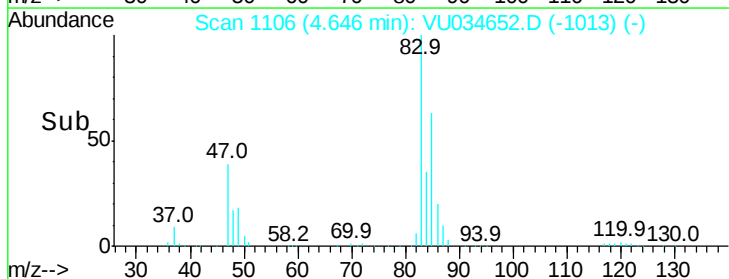
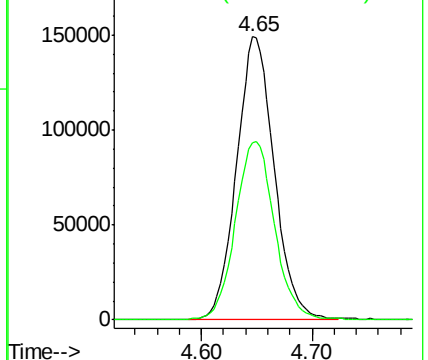
83 100

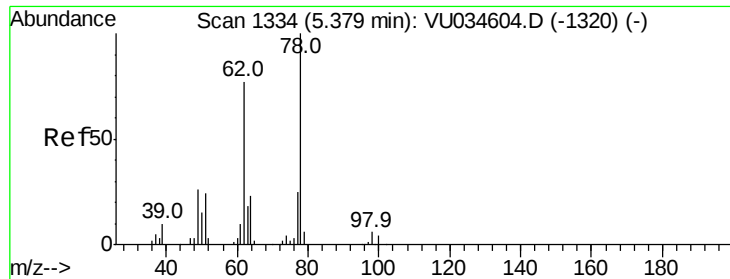
85 62.8 46.6 86.6



Abundance Ion 83.00 (82.70 to 83.70): VU0

Ion 85.00 (84.70 to 85.70): VU0





#27

1,2-Dichloroethane

Concen: 0.929 ug/L

RT: 5.32 min Scan# 1314

Delta R.T. -0.06 min

Lab File: VU034652.D

Acq: 19 Sep 2019 16:23

Instrument :

MSVOA_U

ClientSampleId :

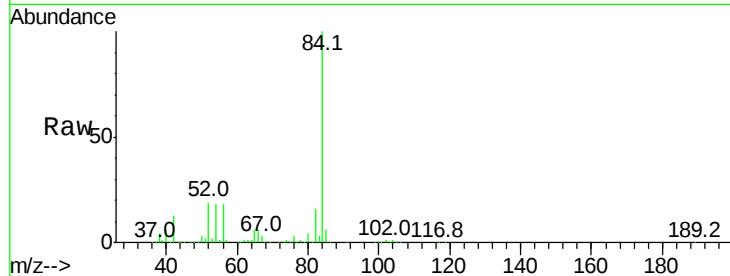
VSTD05033

Tgt Ion: 62 Resp: 3694

Ion Ratio Lower Upper

62 100

98 10.2 7.4 11.0



Abundance Ion 62.00 (61.70 to 62.70): VU034652.D (-1241) (-)

Ion 98.00 (97.70 to 98.70): VU034652.D (-1241) (-)

20000

15000

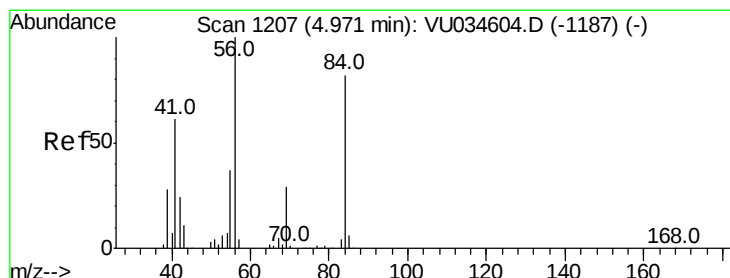
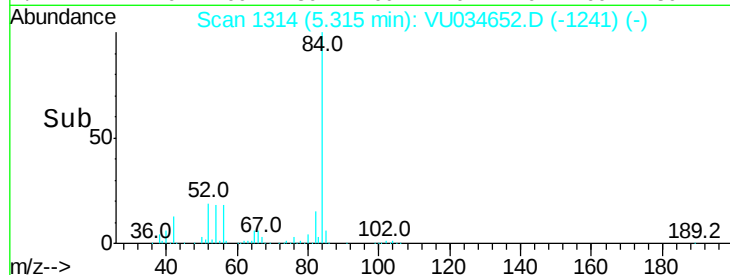
10000

5000

0

5.28 5.30 5.32 5.34

Time-->



#29

Cyclohexane

Concen: 81.146 ug/L

RT: 4.97 min Scan# 1207

Delta R.T. 0.00 min

Lab File: VU034652.D

Acq: 19 Sep 2019 16:23

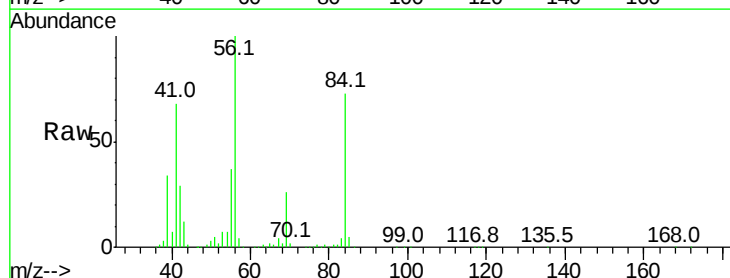
Tgt Ion: 56 Resp: 359608

Ion Ratio Lower Upper

56 100

69 27.1 23.3 34.9

84 73.5 64.2 96.4



Abundance Ion 56.00 (55.70 to 56.70): VU034652.D (-1114) (-)

Ion 69.00 (68.70 to 69.70): VU034652.D (-1114) (-)

Ion 84.00 (83.70 to 84.70): VU034652.D (-1114) (-)

200000

150000

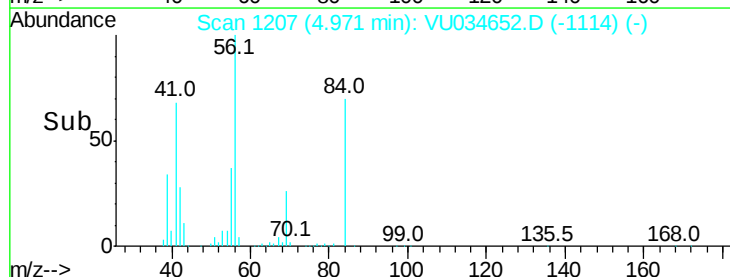
100000

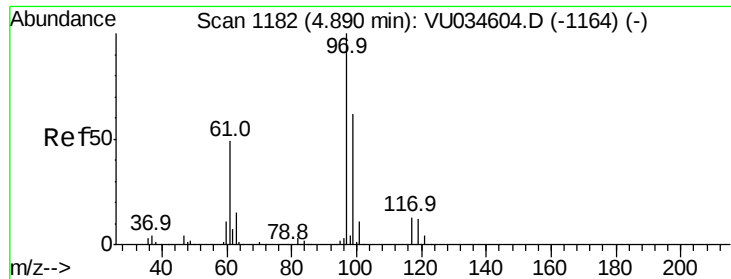
50000

0

4.90 4.95 5.00 5.05 5.10

Time-->

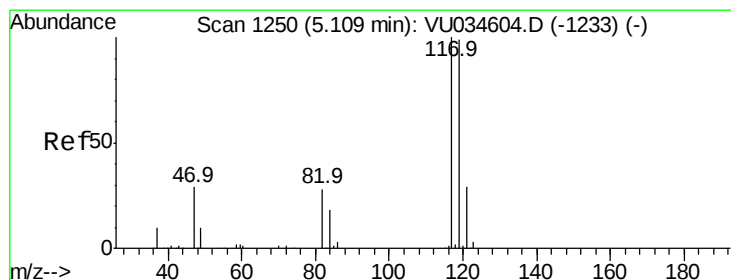
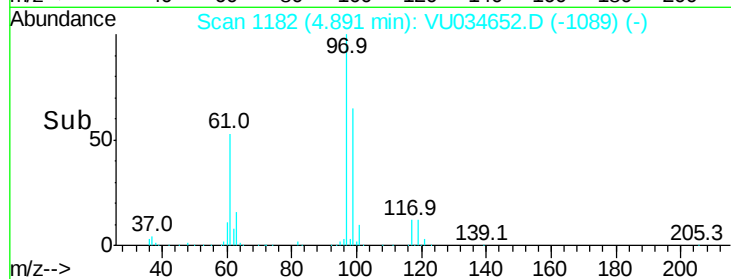
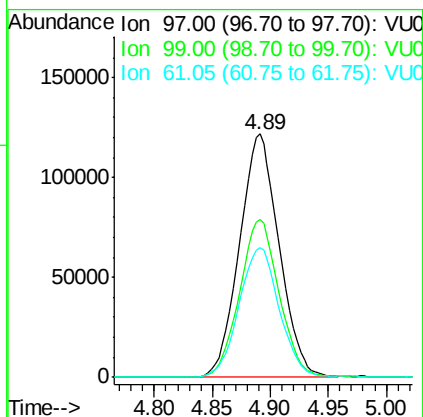
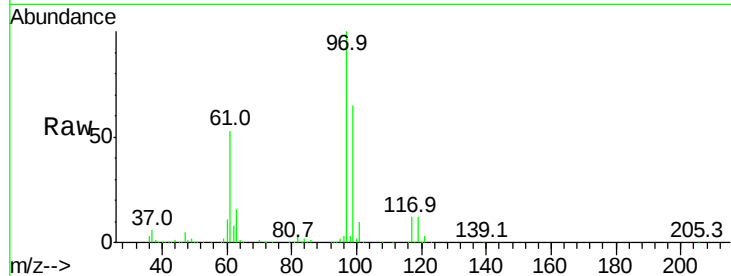




#30
 1,1,1-Trichloroethane
 Concen: 63.464 ug/L
 RT: 4.89 min Scan# 1182
 Delta R.T. 0.00 min
 Lab File: VU034652.D
 Acq: 19 Sep 2019 16:23

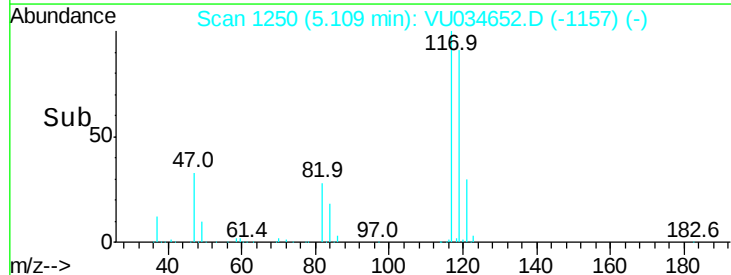
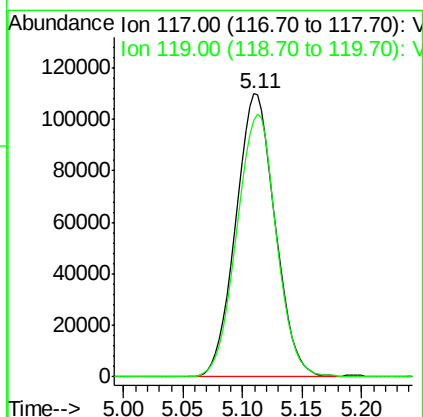
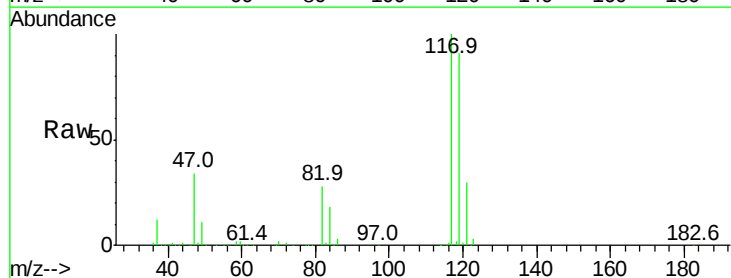
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD05033

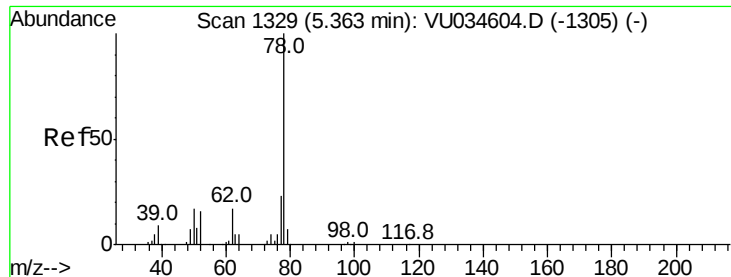
Tgt Ion: 97 Resp: 288285
 Ion Ratio Lower Upper
 97 100
 99 64.8 50.7 76.1
 61 54.2 36.9 55.3



#31
 Carbon tetrachloride
 Concen: 65.616 ug/L
 RT: 5.11 min Scan# 1250
 Delta R.T. 0.00 min
 Lab File: VU034652.D
 Acq: 19 Sep 2019 16:23

Tgt Ion: 117 Resp: 251630
 Ion Ratio Lower Upper
 117 100
 119 93.5 77.2 115.8





#33

Benzene

Concen: 65.722 ug/L

RT: 5.37 min Scan# 1330

Delta R.T. 0.00 min

Lab File: VU034652.D

Acq: 19 Sep 2019 16:23

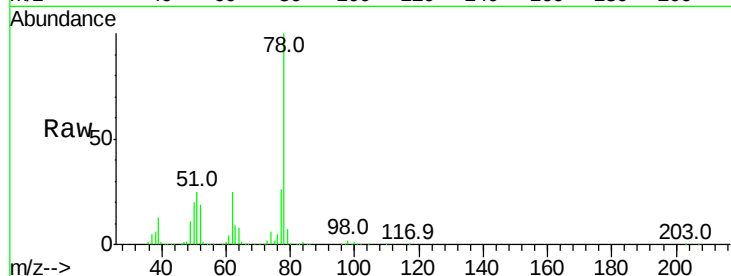
Instrument :

MSVOA_U

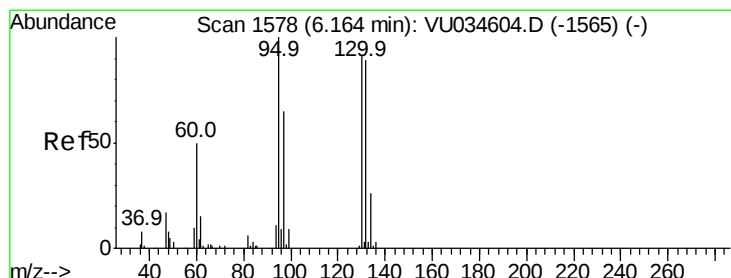
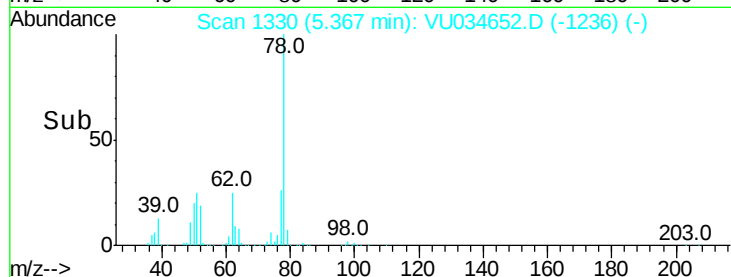
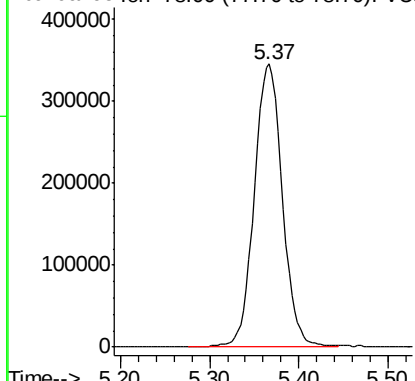
ClientSampleId :

VSTD05033

Tgt Ion: 78 Resp: 757835



Abundance Ion 78.00 (77.70 to 78.70): VU0



#34

Trichloroethene

Concen: 63.601 ug/L

RT: 6.16 min Scan# 1578

Delta R.T. 0.00 min

Lab File: VU034652.D

Acq: 19 Sep 2019 16:23

Tgt Ion: 95 Resp: 182686

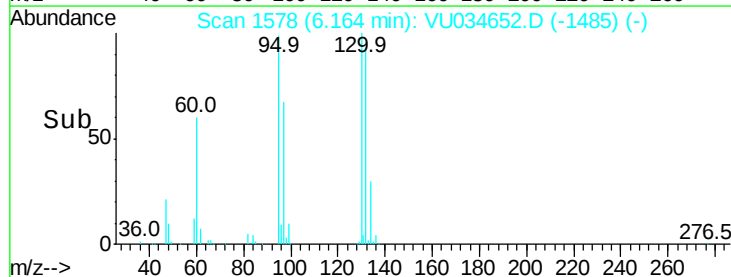
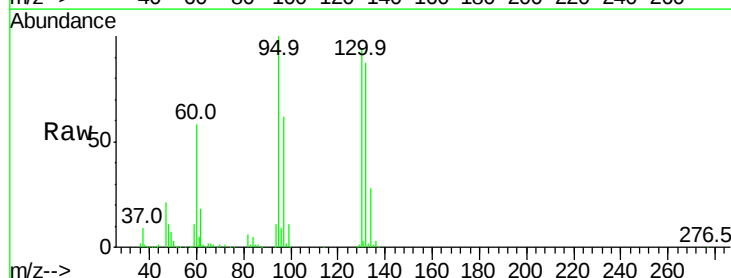
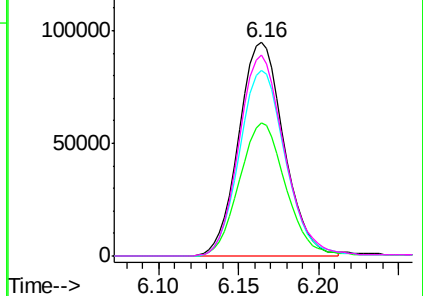
Ion	Ratio	Lower	Upper
95	100		
97	62.4	45.4	84.4
132	87.1	65.2	121.0
130	93.8	68.5	127.3

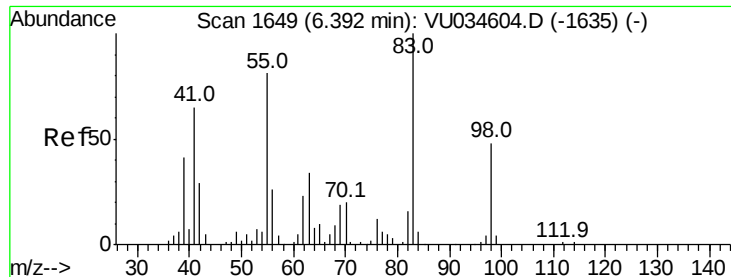
Abundance Ion 95.00 (94.70 to 95.70): VU0

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: 71.635 ug/L

RT: 6.39 min Scan# 1649

Delta R.T. 0.00 min

Lab File: VU034652.D

Acq: 19 Sep 2019 16:23

Instrument :

MSVOA_U

ClientSampleId :

VSTD05033

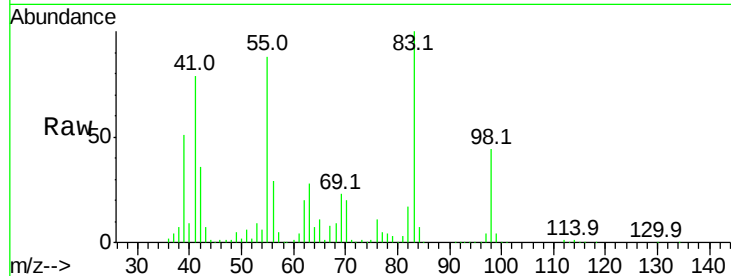
Tgt Ion: 83 Resp: 311942

Ion Ratio Lower Upper

83 100

55 89.5 63.0 94.6

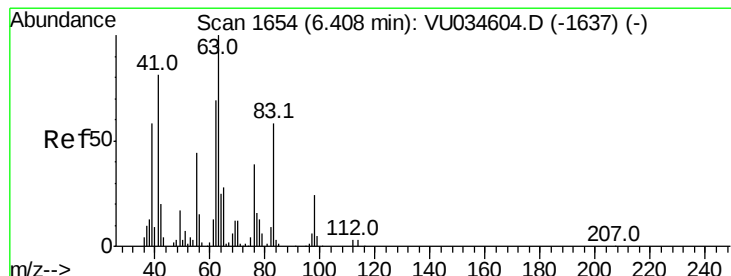
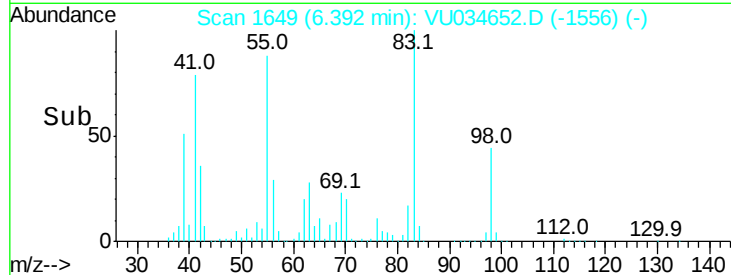
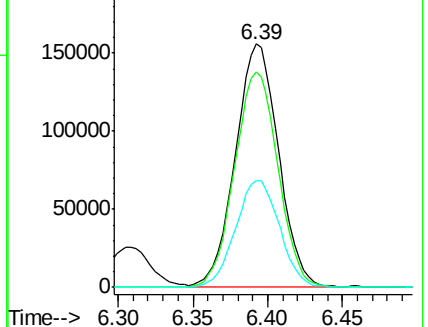
98 44.6 36.2 54.2



Abundance Ion 83.00 (82.70 to 83.70): VU034604.D (-1635) (-)

Ion 55.00 (54.70 to 55.70): VU034604.D (-1635) (-)

Ion 98.00 (97.70 to 98.70): VU034604.D (-1635) (-)



#37

1,2-Dichloropropane

Concen: 64.602 ug/L

RT: 6.41 min Scan# 1654

Delta R.T. 0.00 min

Lab File: VU034652.D

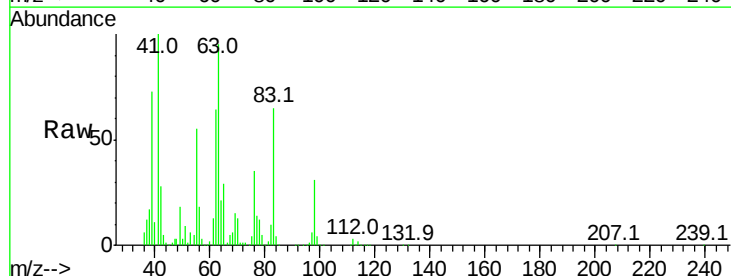
Acq: 19 Sep 2019 16:23

Tgt Ion: 63 Resp: 226094

Ion Ratio Lower Upper

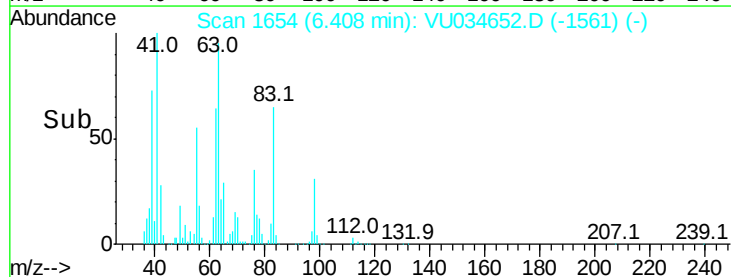
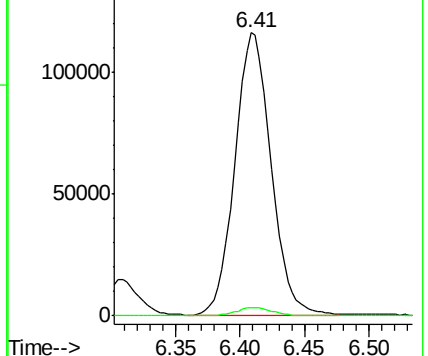
63 100

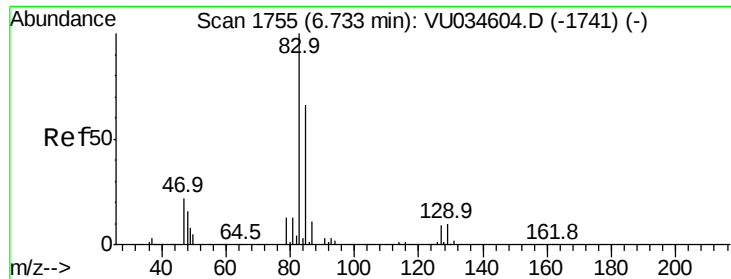
112 3.0 2.9 4.3



Abundance Ion 63.00 (62.70 to 63.70): VU034604.D (-1637) (-)

Ion 112.00 (111.70 to 112.70): VU034604.D (-1637) (-)





#38

Bromodichloromethane

Concen: 59.613 ug/L

RT: 6.73 min Scan# 1755

Delta R.T. 0.00 min

Lab File: VU034652.D

Acq: 19 Sep 2019 16:23

Instrument :

MSVOA_U

ClientSampleId :

VSTD05033

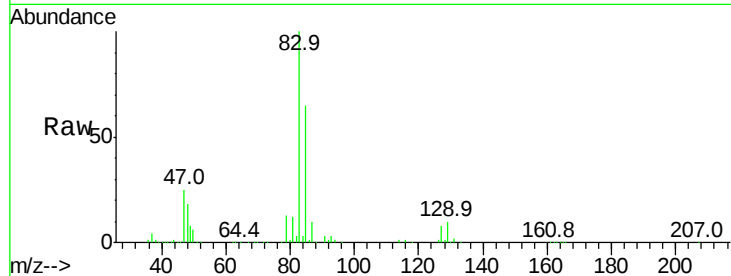
Tgt Ion: 83 Resp: 272740

Ion Ratio Lower Upper

83 100

85 65.0 46.1 85.7

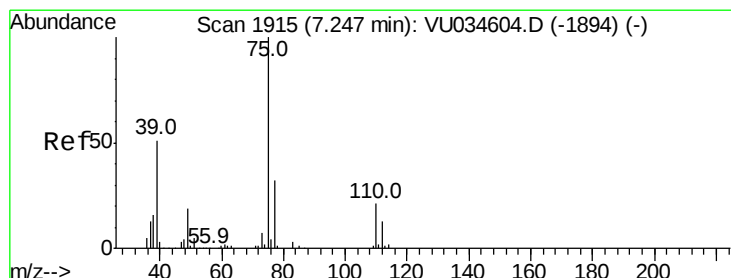
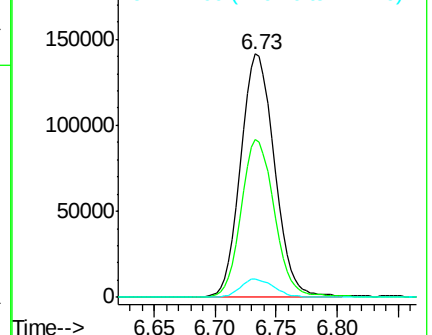
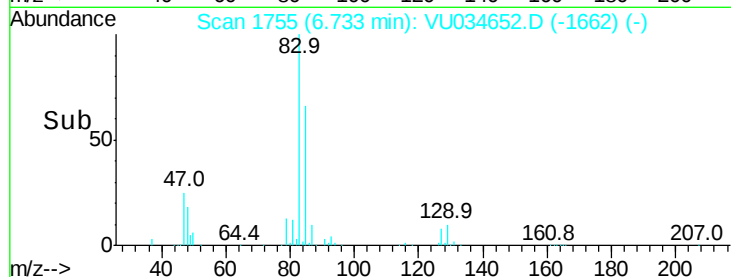
127 7.6 7.0 10.6



Abundance Ion 83.00 (82.70 to 83.70): VU034652.D (-1662) (-)

Ion 85.00 (84.70 to 85.70): VU034652.D (-1662) (-)

Ion 127.00 (126.70 to 127.70): VU034652.D (-1662) (-)



#39

cis-1,3-Dichloropropene

Concen: 62.696 ug/L

RT: 7.25 min Scan# 1915

Delta R.T. 0.00 min

Lab File: VU034652.D

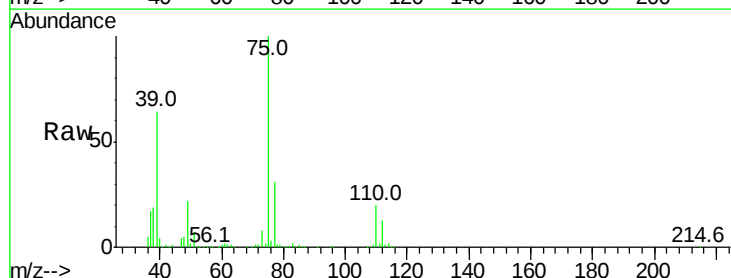
Acq: 19 Sep 2019 16:23

Tgt Ion: 75 Resp: 329663

Ion Ratio Lower Upper

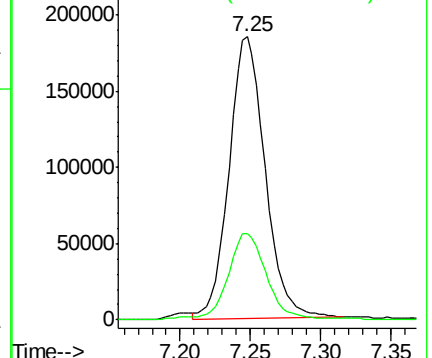
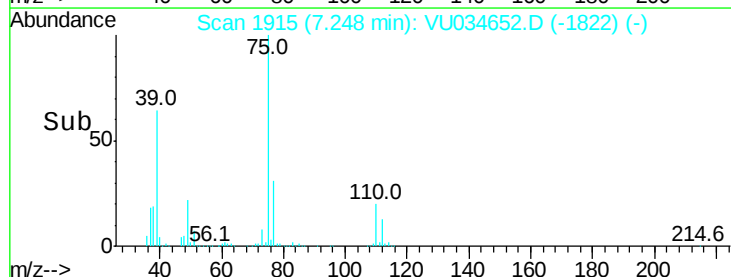
75 100

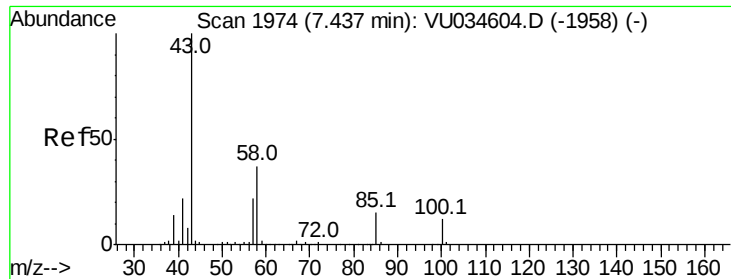
77 30.6 22.3 41.3



Abundance Ion 75.00 (74.70 to 75.70): VU034652.D (-1822) (-)

Ion 77.00 (76.70 to 77.70): VU034652.D (-1822) (-)

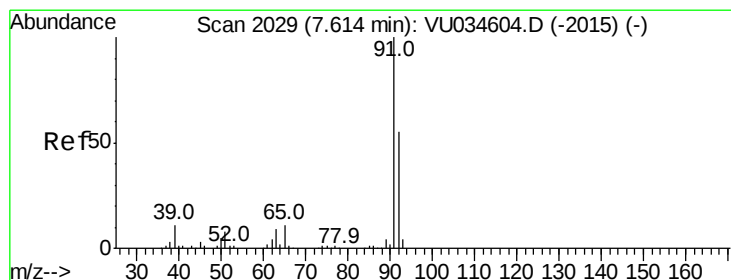
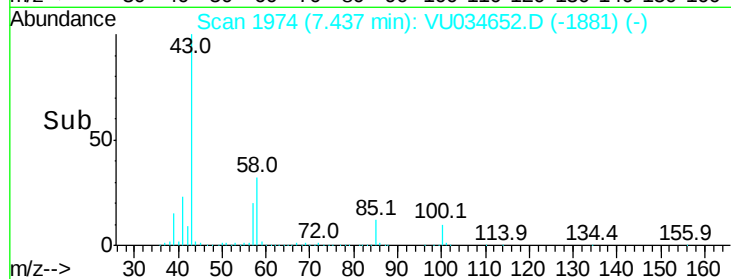
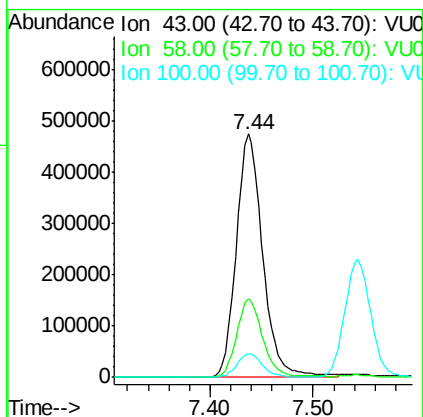
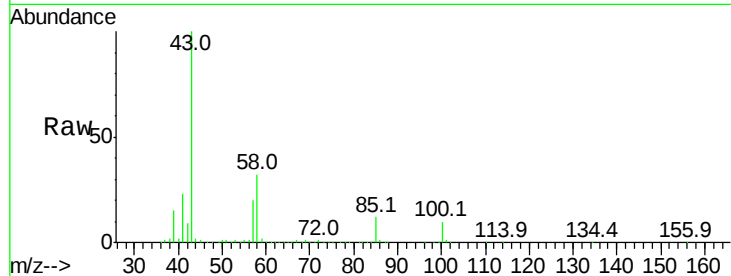




#40
 4-Methyl-2-pentanone
 Concen: 139.097 ug/L
 RT: 7.44 min Scan# 1974
 Delta R.T. 0.00 min
 Lab File: VU034652.D
 Acq: 19 Sep 2019 16:23

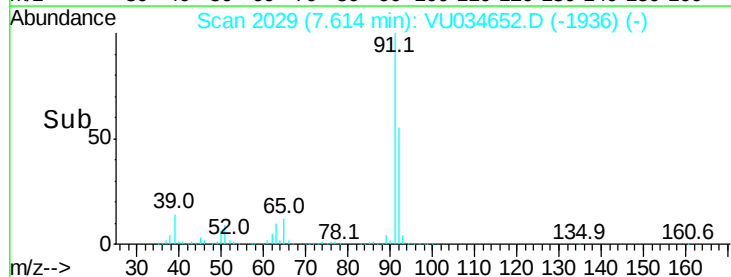
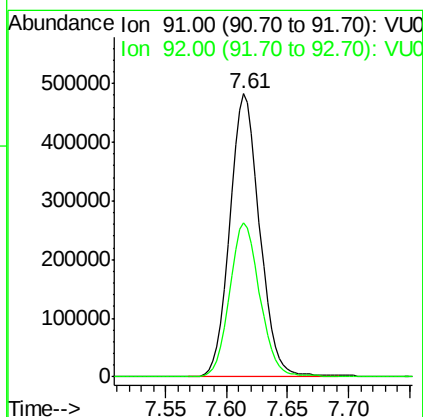
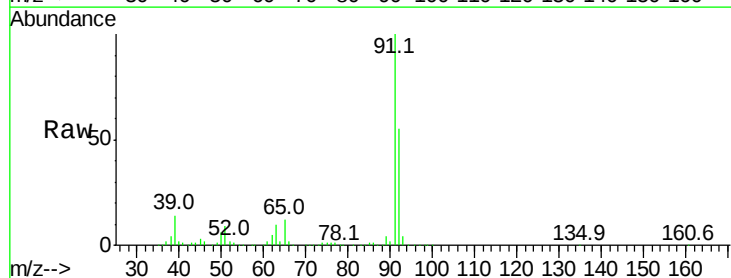
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD05033

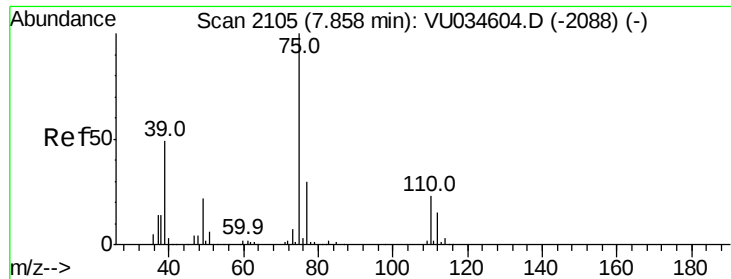
Tgt Ion: 43 Resp: 846796
 Ion Ratio Lower Upper
 43 100
 58 31.5 30.4 45.6
 100 9.6 10.2 15.4#



#42
 Toluene
 Concen: 66.303 ug/L
 RT: 7.61 min Scan# 2029
 Delta R.T. 0.00 min
 Lab File: VU034652.D
 Acq: 19 Sep 2019 16:23

Tgt Ion: 91 Resp: 824331
 Ion Ratio Lower Upper
 91 100
 92 54.6 38.4 71.4





#44

trans-1,3-Dichloropropene

Concen: 65.004 ug/L

RT: 7.86 min Scan# 2105

Delta R.T. 0.00 min

Lab File: VU034652.D

Acq: 19 Sep 2019 16:23

Instrument :

MSVOA_U

ClientSampleId :

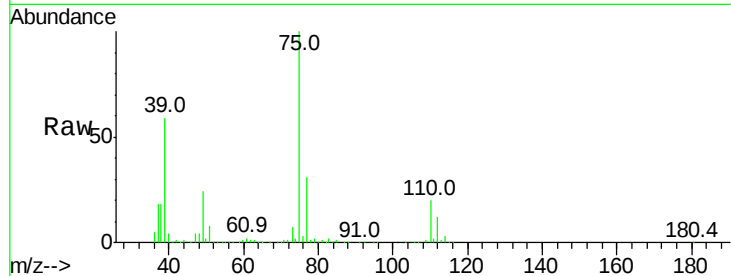
VSTD05033

Tgt Ion: 75 Resp: 313415

Ion Ratio Lower Upper

75 100

77 30.6 22.9 42.5



Abundance Ion 75.00 (74.70 to 75.70): VU034604.D (-2088) (-)

Ion 77.00 (76.70 to 77.70): VU034604.D (-2088) (-)

7.86

150000

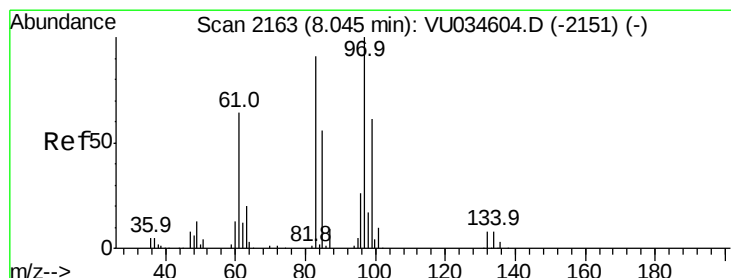
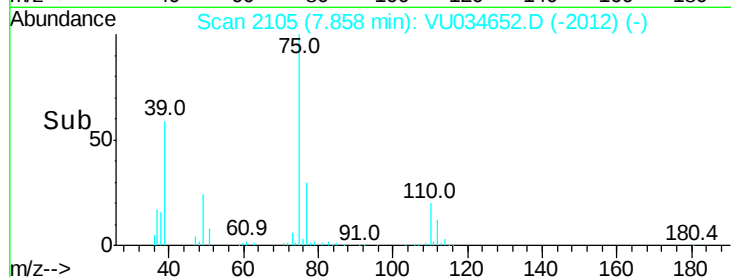
100000

50000

0

7.80 7.90

Time-->



#45

1,1,2-Trichloroethane

Concen: 55.798 ug/L

RT: 8.04 min Scan# 2163

Delta R.T. 0.00 min

Lab File: VU034652.D

Acq: 19 Sep 2019 16:23

Tgt Ion: 97 Resp: 178211

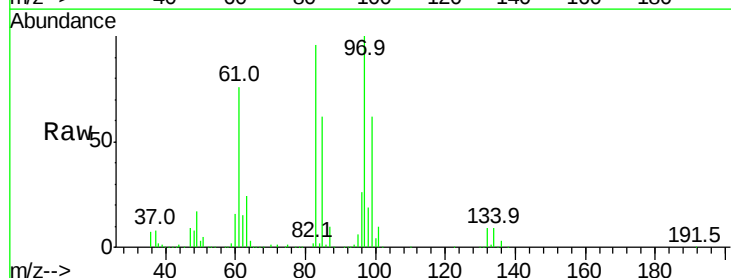
Ion Ratio Lower Upper

97 100

99 62.3 42.4 78.8

83 95.6 62.5 116.1

85 61.8 40.7 75.7



Abundance Ion 97.00 (96.70 to 97.70): VU034604.D (-2151) (-)

Ion 99.00 (98.70 to 99.70): VU034604.D (-2151) (-)

Ion 83.00 (82.70 to 83.70): VU034604.D (-2151) (-)

Ion 85.00 (84.70 to 85.70): VU034604.D (-2151) (-)

8.04

150000

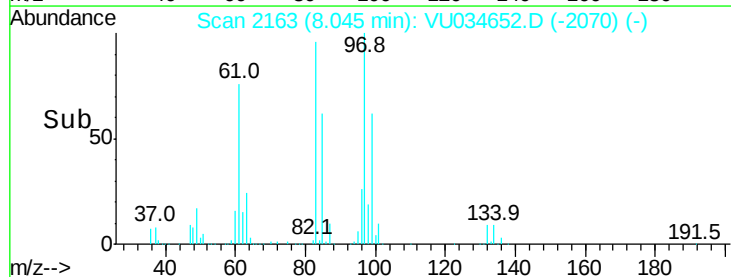
100000

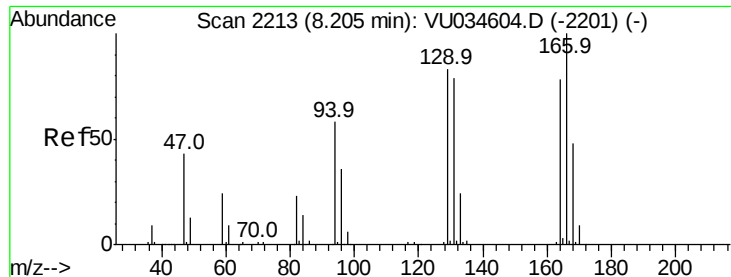
50000

0

8.00 8.10

Time-->





#46

Tetrachloroethene

Concen: 68.624 ug/L

RT: 8.21 min Scan# 2213

Delta R.T. 0.00 min

Lab File: VU034652.D

Acq: 19 Sep 2019 16:23

Instrument :

MSVOA_U

ClientSampleId :

VSTD05033

Tgt Ion:164 Resp: 130842

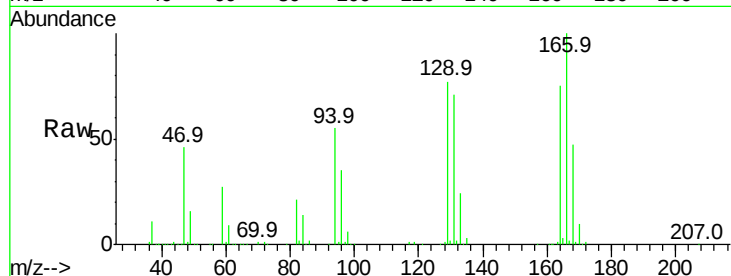
Ion Ratio Lower Upper

164 100

129 102.7 74.5 138.3

131 94.7 70.4 130.8

166 133.5 91.7 170.3

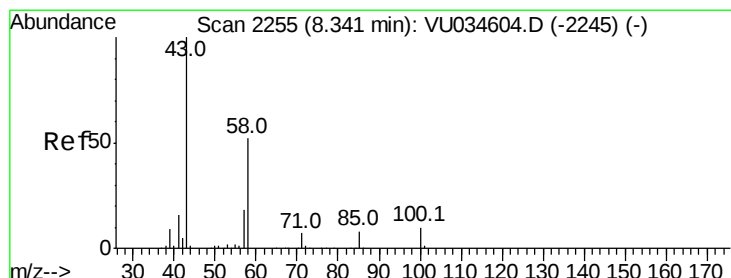
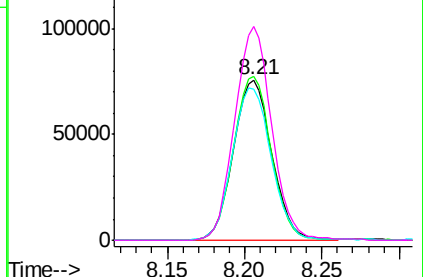
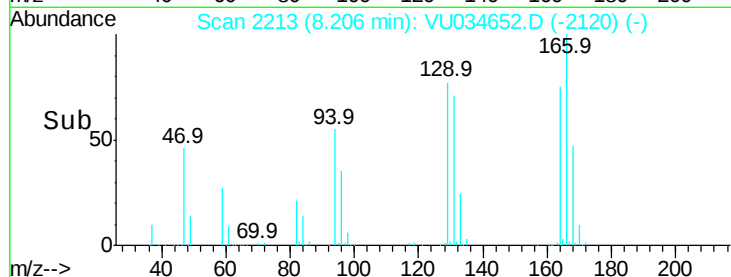


Abundance Ion 164.00 (163.70 to 164.70): V

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: 145.168 ug/L

RT: 8.34 min Scan# 2255

Delta R.T. 0.00 min

Lab File: VU034652.D

Acq: 19 Sep 2019 16:23

Tgt Ion: 43 Resp: 663930

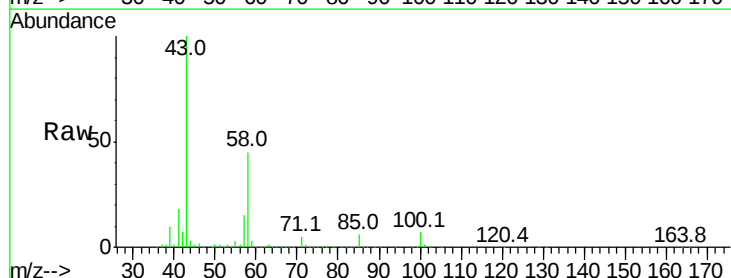
Ion Ratio Lower Upper

43 100

58 44.1 43.3 64.9

57 15.1 13.1 19.7

100 7.8 8.2 12.4#

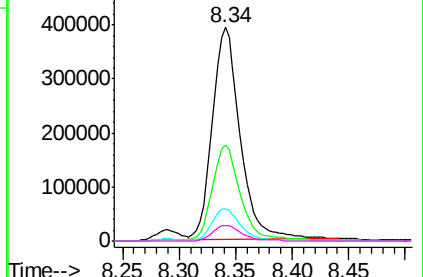
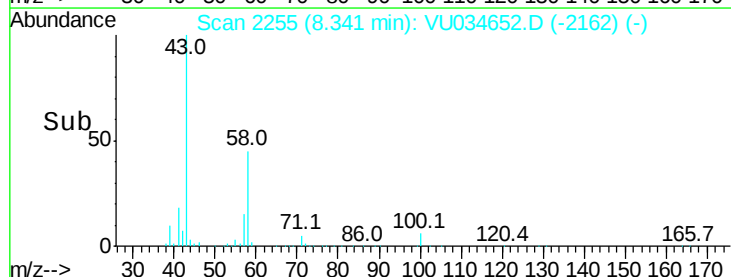


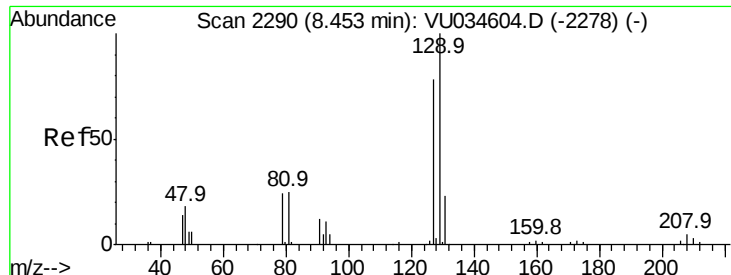
Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 58.00 (57.70 to 58.70): VU0

Ion 57.00 (56.70 to 57.70): VU0

Ion 100.00 (99.70 to 100.70): VU0





#49

Dibromochloromethane

Concen: 55.552 ug/L

RT: 8.45 min Scan# 2290

Delta R.T. 0.00 min

Lab File: VU034652.D

Acq: 19 Sep 2019 16:23

Instrument :

MSVOA_U

ClientSampleId :

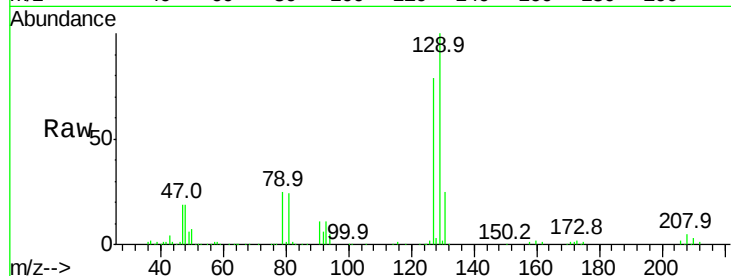
VSTD05033

Tgt Ion:129 Resp: 200942

Ion Ratio Lower Upper

129 100

127 79.3 53.5 99.5



Abundance Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V

8.45

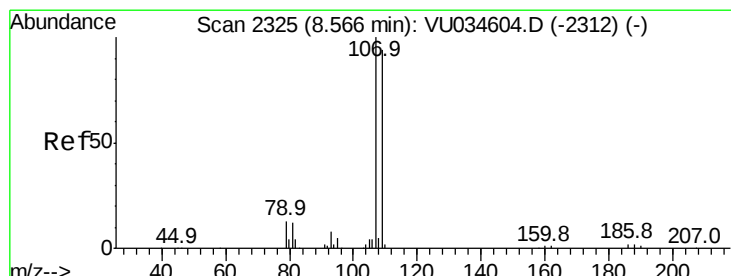
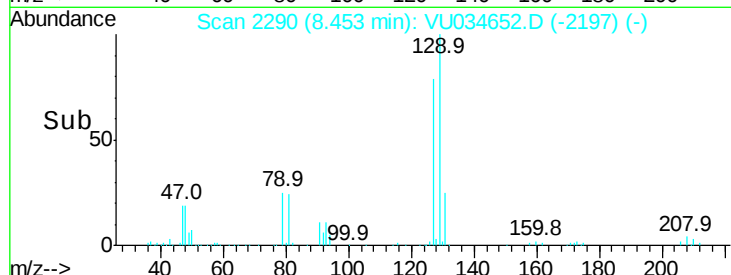
100000

50000

0

Time-->

8.40 8.45 8.50 8.55



#50

1,2-Dibromoethane

Concen: 58.594 ug/L

RT: 8.56 min Scan# 2324

Delta R.T. -0.00 min

Lab File: VU034652.D

Acq: 19 Sep 2019 16:23

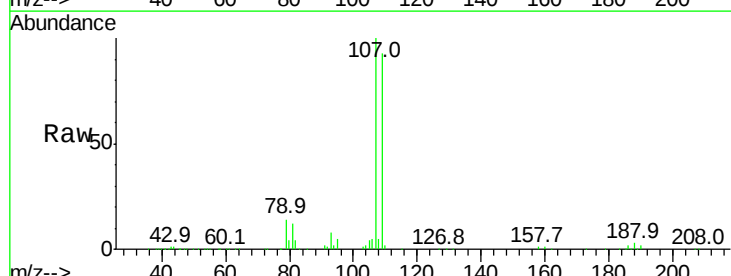
Tgt Ion:107 Resp: 195601

Ion Ratio Lower Upper

107 100

109 93.5 65.9 122.3

188 3.4 2.6 3.8



Abundance Ion 107.00 (106.70 to 107.70): V

Ion 109.00 (108.70 to 109.70): V

Ion 188.00 (187.70 to 188.70): V

8.56

150000

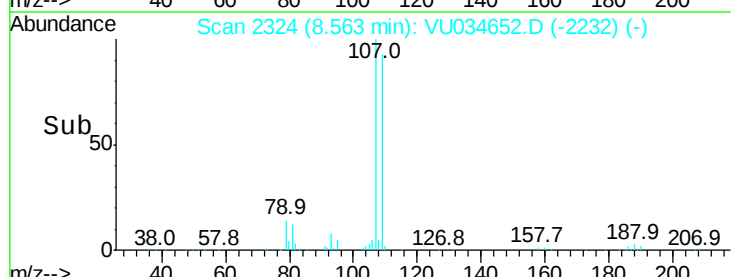
100000

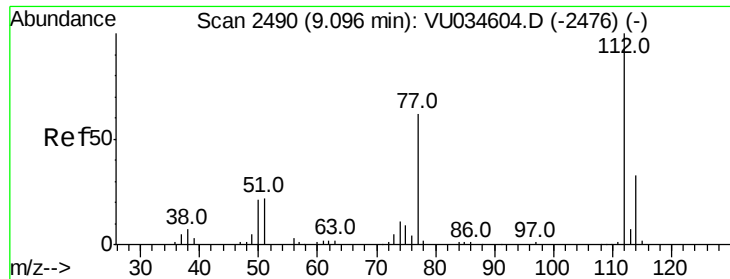
50000

0

Time-->

8.50 8.55 8.60 8.65

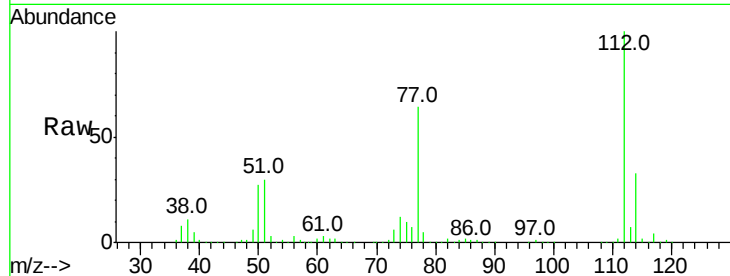




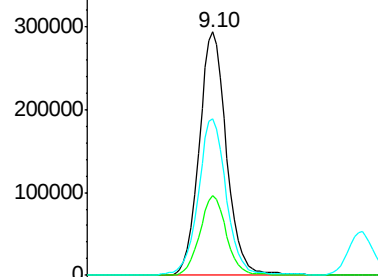
#51
Chlorobenzene
Concen: 60.605 ug/L
RT: 9.10 min Scan# 2490
Delta R.T. 0.00 min
Lab File: VU034652.D
Acq: 19 Sep 2019 16:23

Instrument :
MSVOA_U
ClientSampleId :
VSTD05033

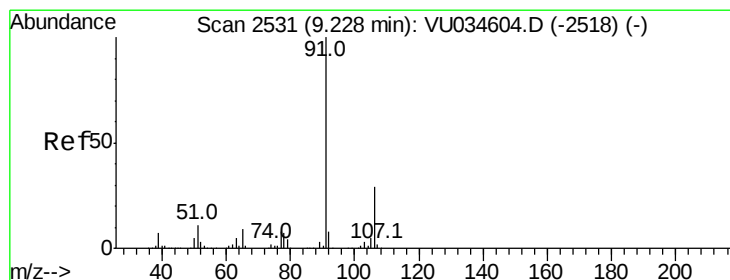
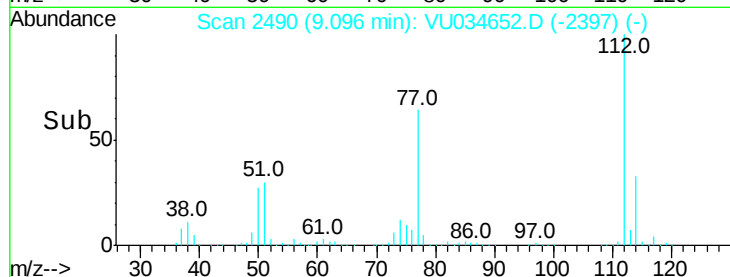
Tgt Ion: 112 Resp: 492263
Ion Ratio Lower Upper
112 100
114 32.6 23.0 42.8
77 64.4 49.0 73.6



Abundance Ion 112.00 (111.70 to 112.70): V
Ion 114.00 (113.70 to 114.70): V
Ion 77.00 (76.70 to 77.70): V

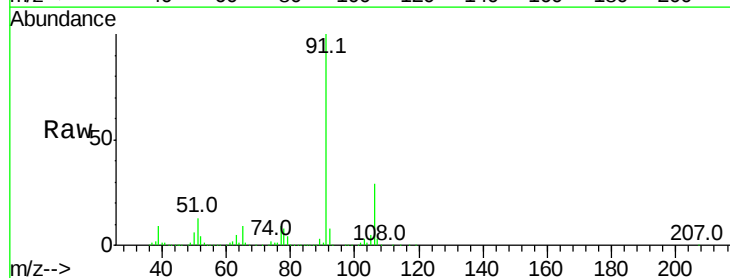


Time-->

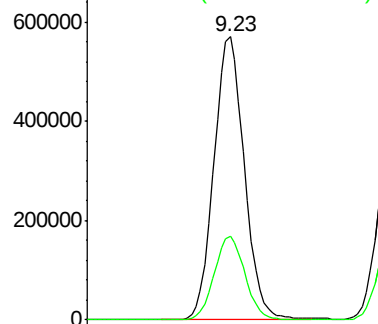


#52
Ethylbenzene
Concen: 63.314 ug/L
RT: 9.23 min Scan# 2531
Delta R.T. 0.00 min
Lab File: VU034652.D
Acq: 19 Sep 2019 16:23

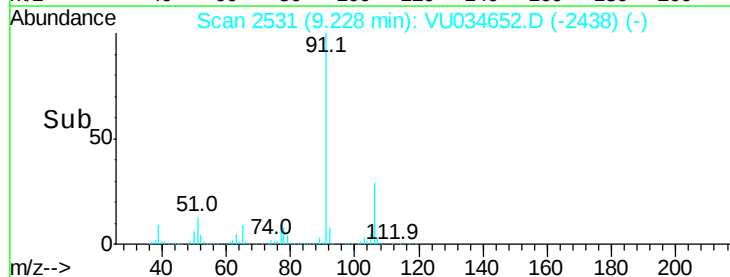
Tgt Ion: 91 Resp: 910759
Ion Ratio Lower Upper
91 100
106 29.5 21.4 39.8

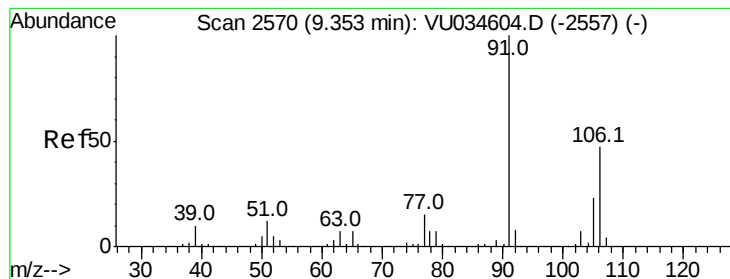


Abundance Ion 91.00 (90.70 to 91.70): V
Ion 106.00 (105.70 to 106.70): V



Time-->





#53

m,p-Xylene

Concen: 63.108 ug/L

RT: 9.35 min Scan# 2570

Delta R.T. 0.00 min

Lab File: VU034652.D

Acq: 19 Sep 2019 16:23

Instrument :

MSVOA_U

ClientSampleId :

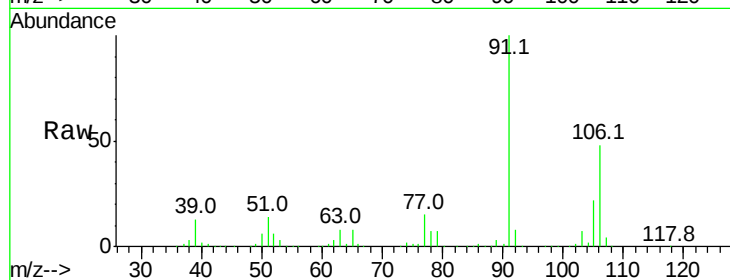
VSTD05033

Tgt Ion:106 Resp: 326373

Ion Ratio Lower Upper

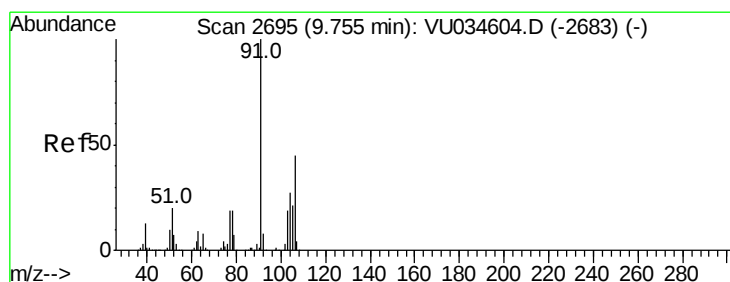
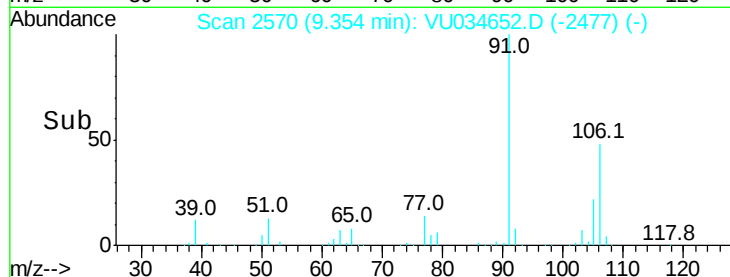
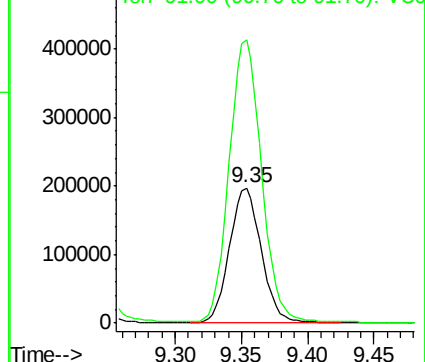
106 100

91 209.8 142.6 264.8



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VU0



#54

o-xylene

Concen: 61.798 ug/L

RT: 9.76 min Scan# 2695

Delta R.T. 0.00 min

Lab File: VU034652.D

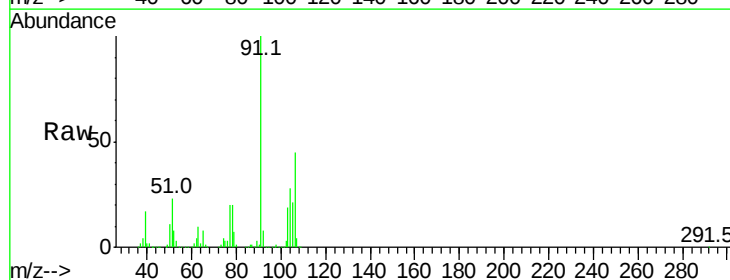
Acq: 19 Sep 2019 16:23

Tgt Ion:106 Resp: 324242

Ion Ratio Lower Upper

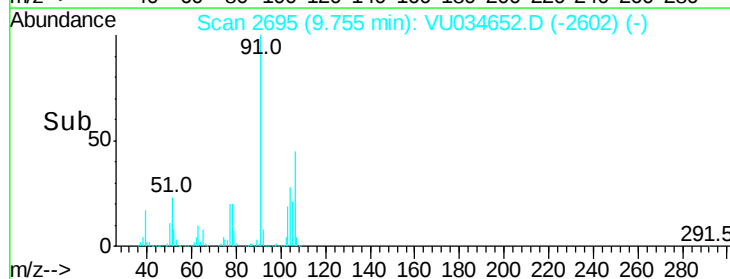
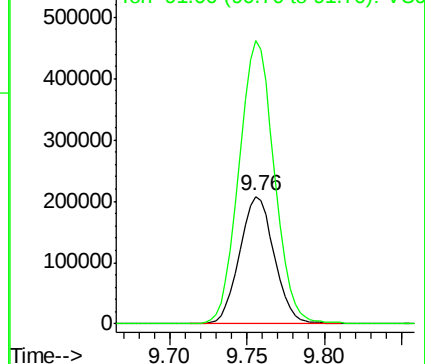
106 100

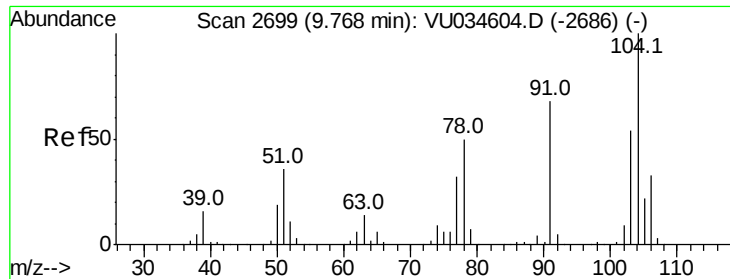
91 222.3 149.4 277.5



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VU0

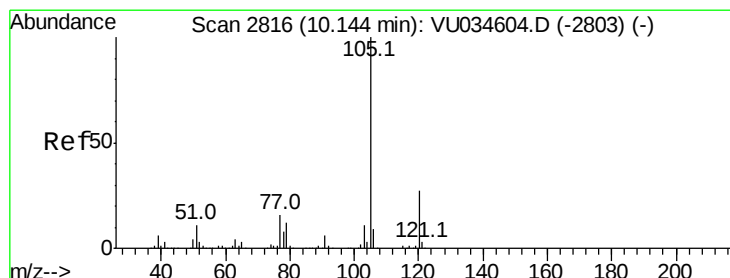
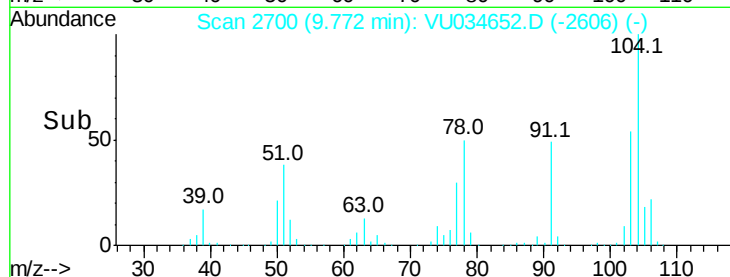
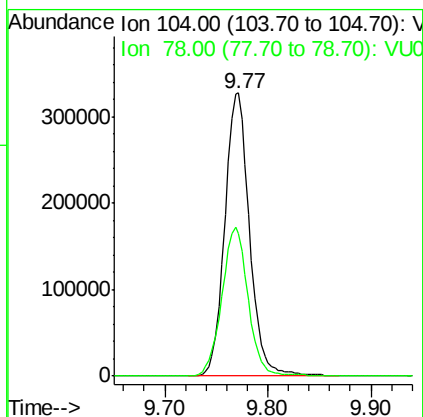
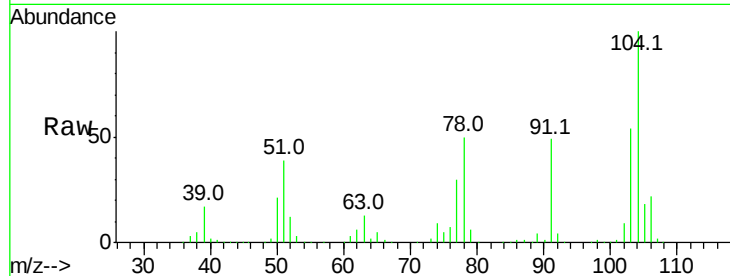




#55
Styrene
Concen: 60.770 ug/L
RT: 9.77 min Scan# 2700
Delta R.T. 0.00 min
Lab File: VU034652.D
Acq: 19 Sep 2019 16:23

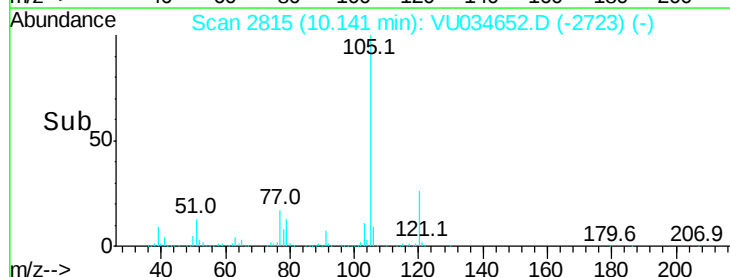
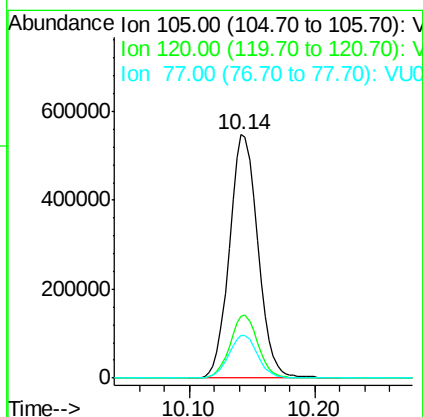
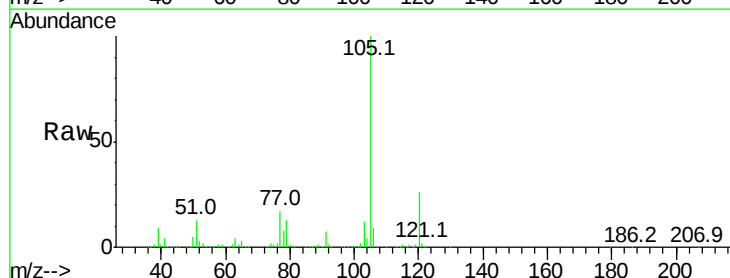
Instrument :
MSVOA_U
ClientSampleId :
VSTD05033

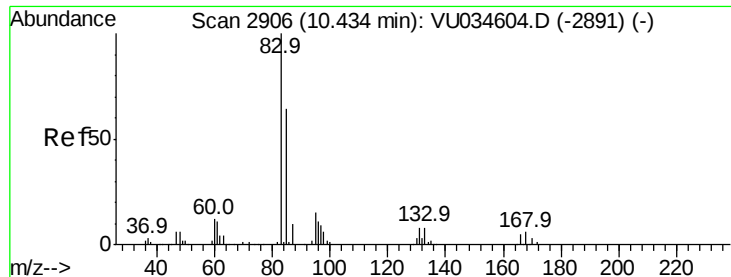
Tgt Ion:104 Resp: 548803
Ion Ratio Lower Upper
104 100
78 50.2 32.8 61.0



#56
Isopropylbenzene
Concen: 61.054 ug/L
RT: 10.14 min Scan# 2815
Delta R.T. -0.00 min
Lab File: VU034652.D
Acq: 19 Sep 2019 16:23

Tgt Ion:105 Resp: 861594
Ion Ratio Lower Upper
105 100
120 25.5 21.2 31.8
77 17.8 13.5 20.3





#58

1,1,2,2-Tetrachloroethane

Concen: 53.707 ug/L

RT: 10.43 min Scan# 2906

Delta R.T. 0.00 min

Lab File: VU034652.D

Acq: 19 Sep 2019 16:23

Instrument :

MSVOA_U

ClientSampleId :

VSTD05033

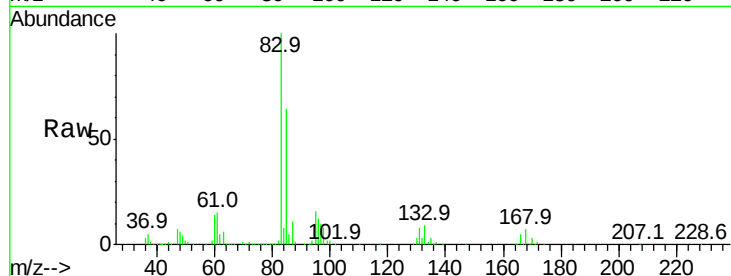
Tgt Ion: 83 Resp: 341109

Ion Ratio Lower Upper

83 100

85 63.7 44.5 82.7

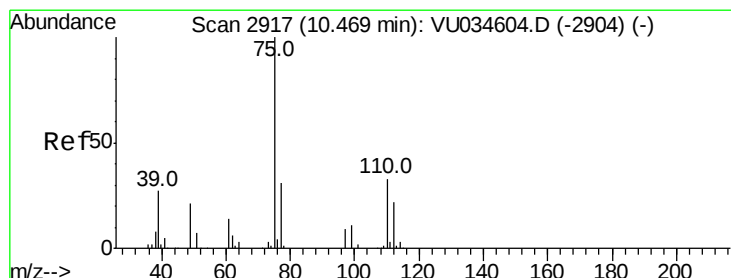
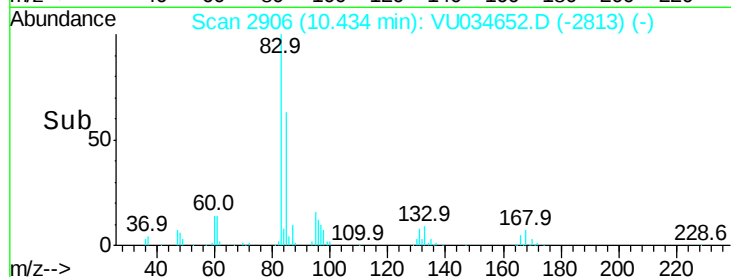
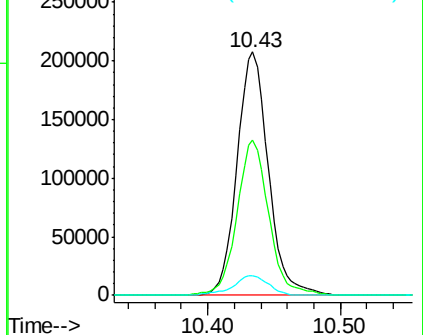
131 8.3 6.8 10.2



Abundance Ion 83.00 (82.70 to 83.70): VU034652.D (-2813) (-)

Ion 85.00 (84.70 to 85.70): VU034652.D (-2813) (-)

Ion 131.00 (130.70 to 131.70): VU034652.D (-2813) (-)



#59

1,2,3-Trichloropropane

Concen: 57.374 ug/L

RT: 10.47 min Scan# 2917

Delta R.T. 0.00 min

Lab File: VU034652.D

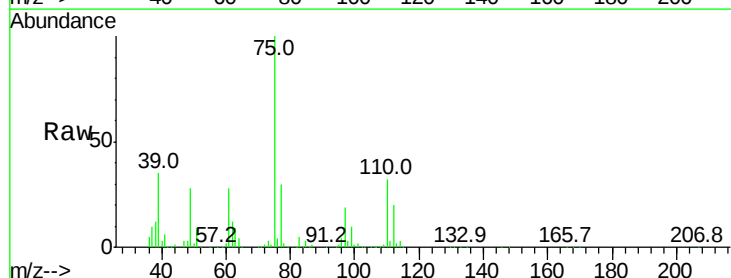
Acq: 19 Sep 2019 16:23

Tgt Ion: 75 Resp: 274273

Ion Ratio Lower Upper

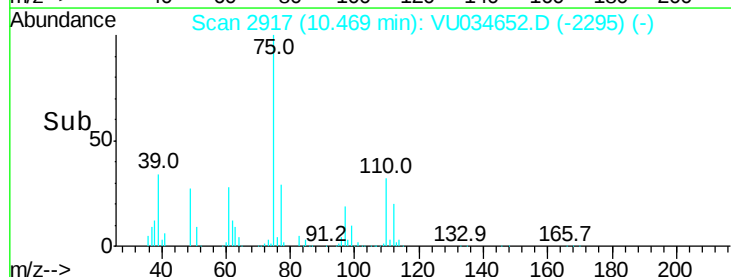
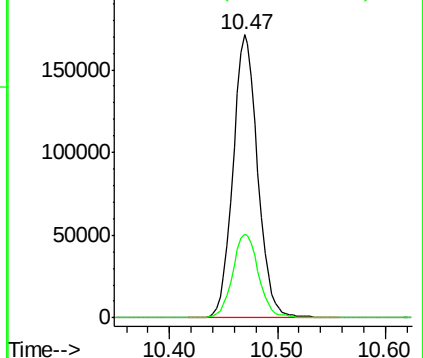
75 100

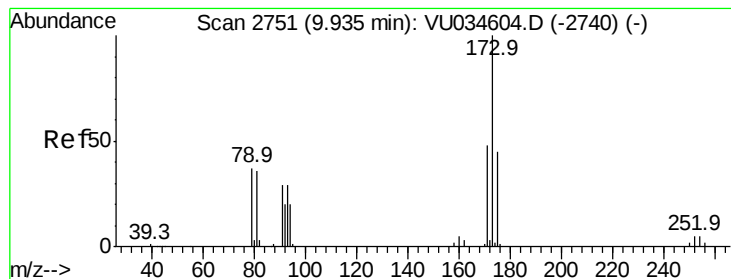
77 30.8 26.1 39.1



Abundance Ion 75.00 (74.70 to 75.70): VU034652.D (-2295) (-)

Ion 77.00 (76.70 to 77.70): VU034652.D (-2295) (-)





#61

Bromoform

Concen: 53.839 ug/L

RT: 9.94 min Scan# 2751

Delta R.T. 0.00 min

Lab File: VU034652.D

Acq: 19 Sep 2019 16:23

Instrument :

MSVOA_U

ClientSampled :

VSTD05033

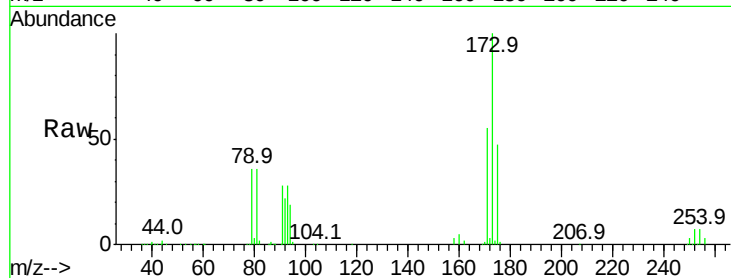
Tgt Ion:173 Resp: 144931

Ion Ratio Lower Upper

173 100

175 48.5 37.6 56.4

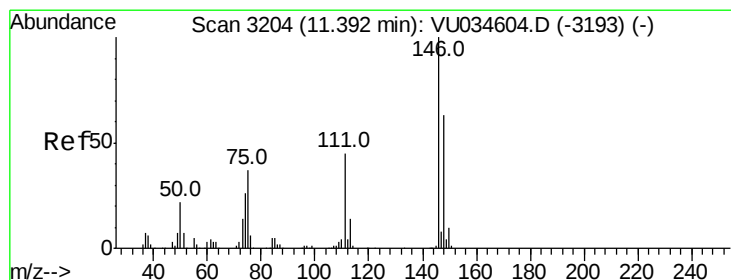
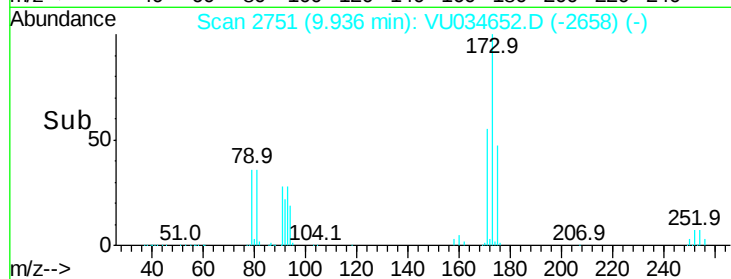
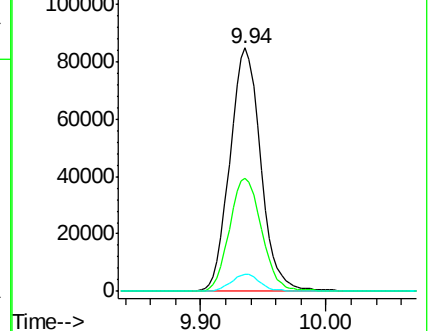
254 6.6 4.6 7.0



Abundance Ion 173.00 (172.70 to 173.70): V

Ion 175.00 (174.70 to 175.70): V

Ion 254.00 (253.70 to 254.70): V



#62

1,3-Dichlorobenzene

Concen: 55.883 ug/L

RT: 11.39 min Scan# 3204

Delta R.T. 0.00 min

Lab File: VU034652.D

Acq: 19 Sep 2019 16:23

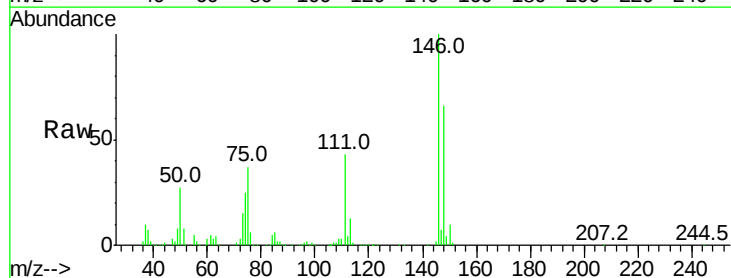
Tgt Ion:146 Resp: 353252

Ion Ratio Lower Upper

146 100

111 43.5 30.2 56.0

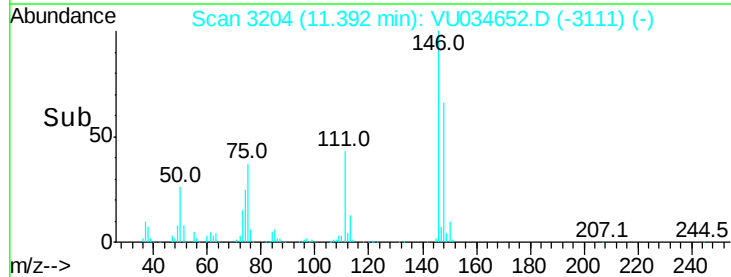
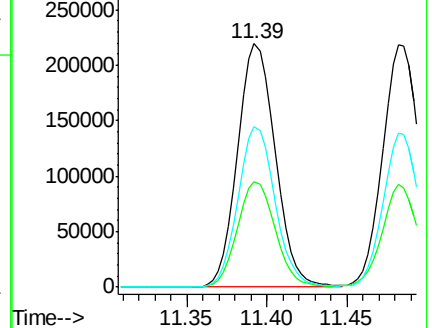
148 65.9 45.5 84.5

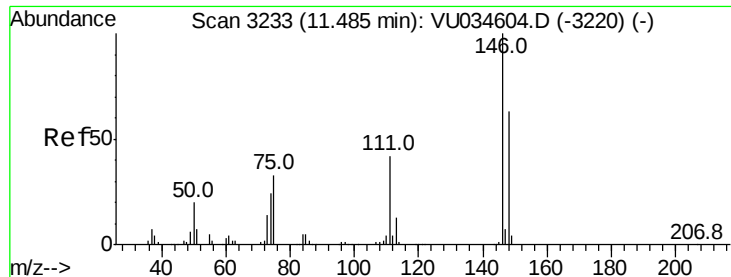


Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V

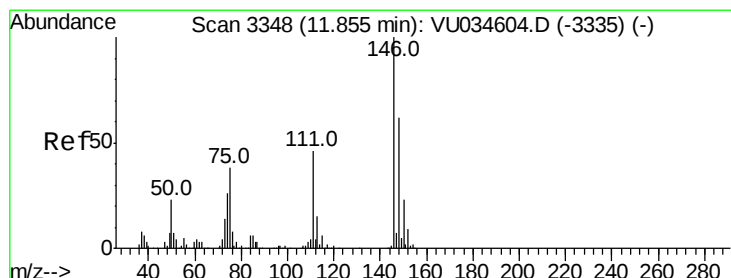
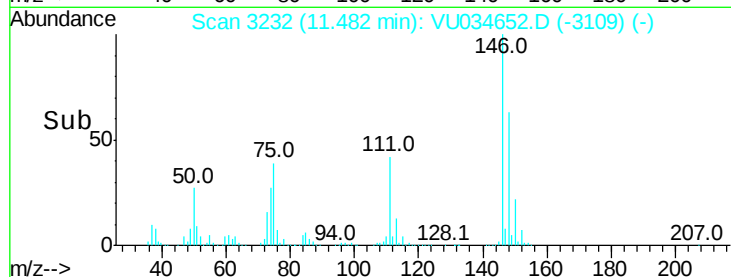
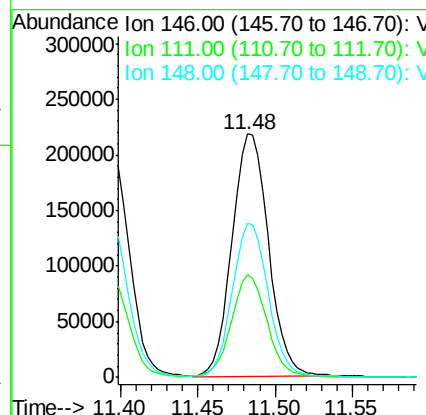
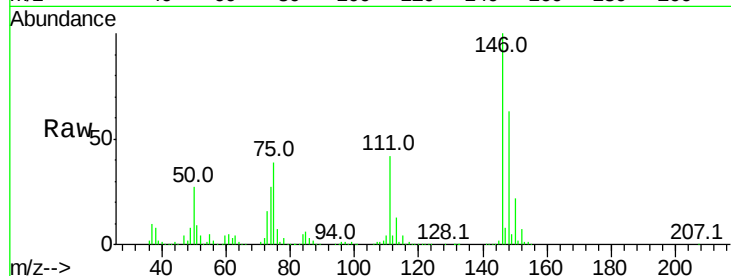




#63
 1,4-Dichlorobenzene
 Concen: 55.812 ug/L
 RT: 11.48 min Scan# 3232
 Delta R.T. -0.00 min
 Lab File: VU034652.D
 Acq: 19 Sep 2019 16:23

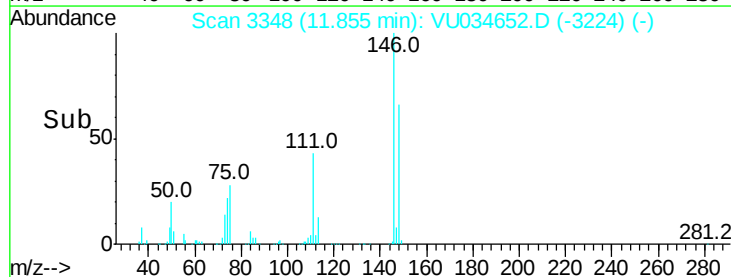
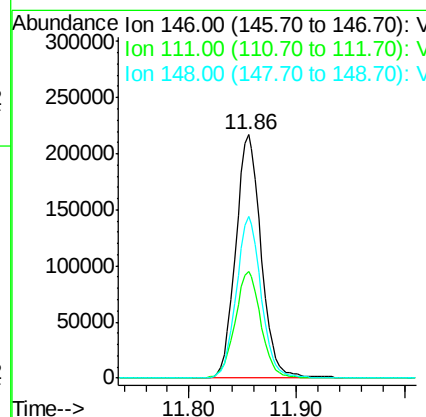
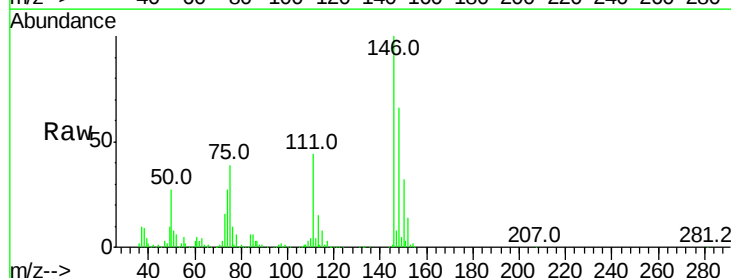
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD05033

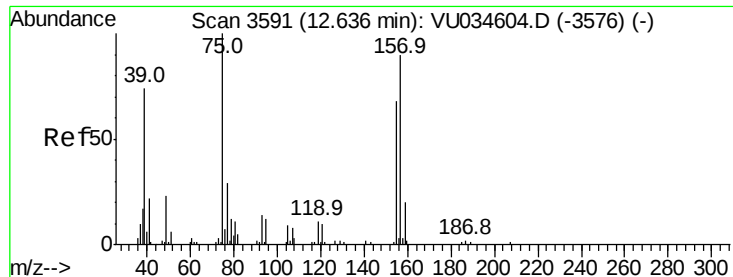
Tgt Ion:146 Resp: 356251
 Ion Ratio Lower Upper
 146 100
 111 42.2 27.6 51.2
 148 63.4 44.0 81.6



#65
 1,2-Dichlorobenzene
 Concen: 55.919 ug/L
 RT: 11.86 min Scan# 3348
 Delta R.T. 0.00 min
 Lab File: VU034652.D
 Acq: 19 Sep 2019 16:23

Tgt Ion:146 Resp: 356560
 Ion Ratio Lower Upper
 146 100
 111 44.0 34.5 51.7
 148 66.3 50.7 76.1





#66

1,2-Dibromo-3-chloropropane

Concen: 53.497 ug/L

RT: 12.63 min Scan# 3590

Delta R.T. -0.00 min

Lab File: VU034652.D

Acq: 19 Sep 2019 16:23

Instrument :

MSVOA_U

ClientSampleId :

VSTD05033

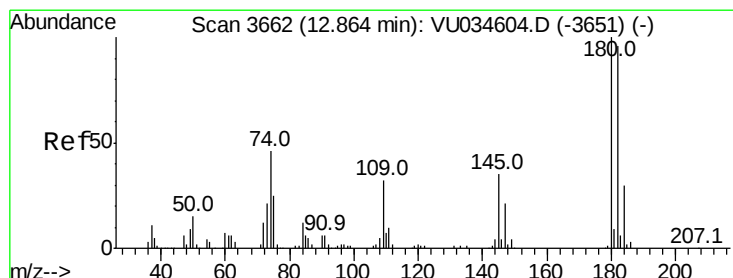
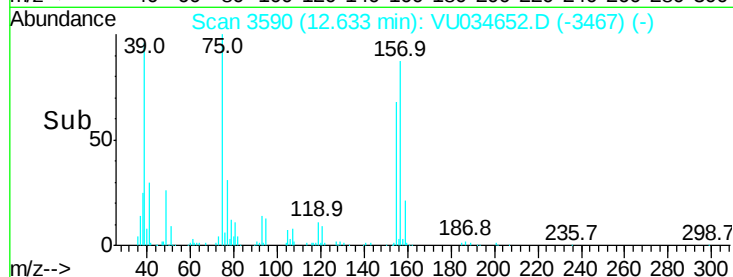
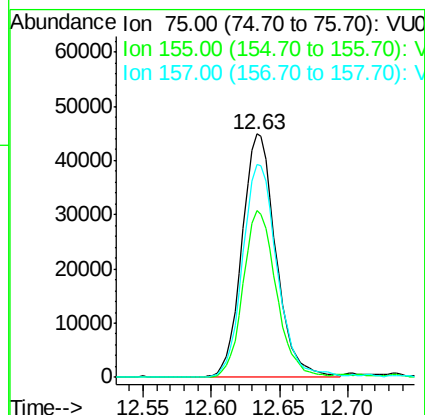
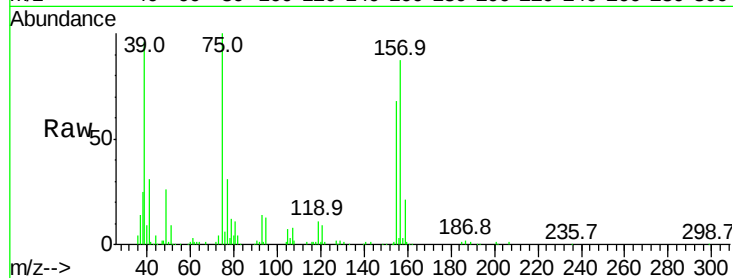
Tgt Ion: 75 Resp: 77283

Ion Ratio Lower Upper

75 100

155 68.4 61.8 92.6

157 87.4 80.5 120.7



#67

1,3,5-Trichlorobenzene

Concen: 56.927 ug/L

RT: 12.86 min Scan# 3662

Delta R.T. 0.00 min

Lab File: VU034652.D

Acq: 19 Sep 2019 16:23

Tgt Ion: 180 Resp: 234542

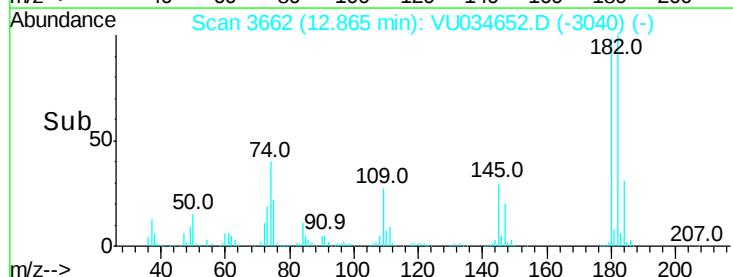
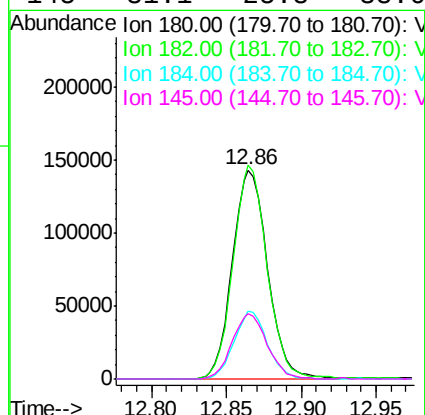
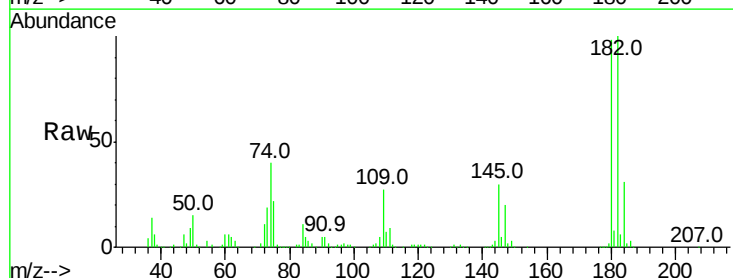
Ion Ratio Lower Upper

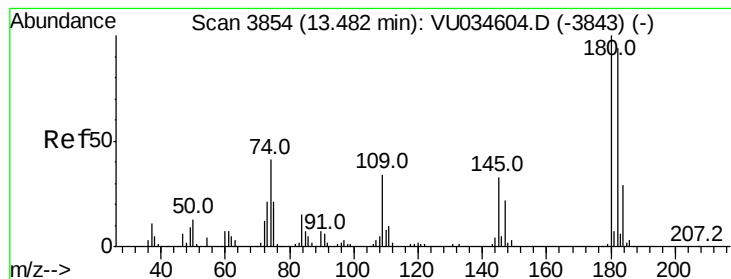
180 100

182 99.0 77.9 116.9

184 30.7 24.2 36.4

145 31.1 25.8 38.6





#68

1,2,4-trichlorobenzene

Concen: 55.649 ug/L

RT: 13.48 min Scan# 3854

Delta R.T. 0.00 min

Lab File: VU034652.D

Acq: 19 Sep 2019 16:23

Instrument :

MSVOA_U

ClientSampleId :

VSTD05033

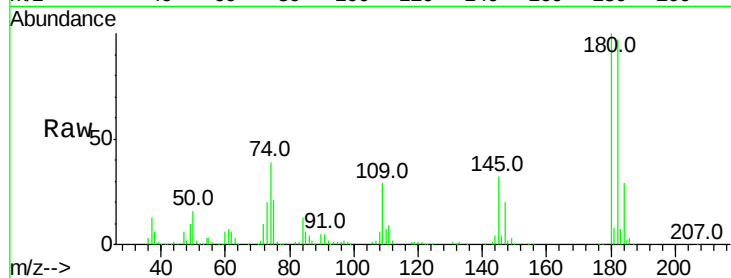
Tgt Ion:180 Resp: 195865

Ion Ratio Lower Upper

180 100

182 94.6 75.7 113.5

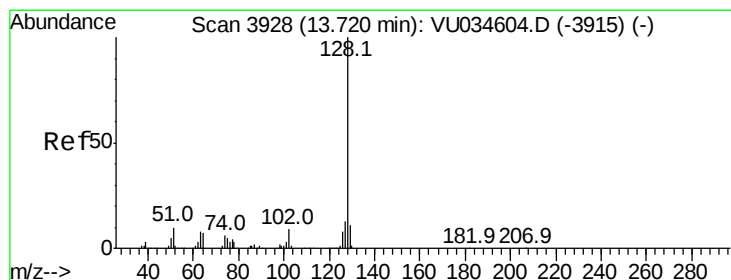
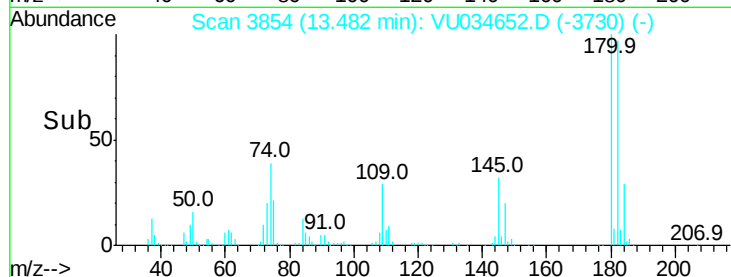
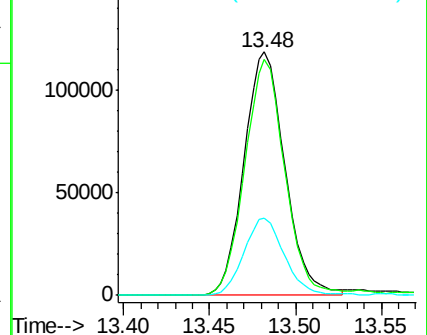
145 31.5 25.9 38.9



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: 50.926 ug/L

RT: 13.72 min Scan# 3928

Delta R.T. 0.00 min

Lab File: VU034652.D

Acq: 19 Sep 2019 16:23

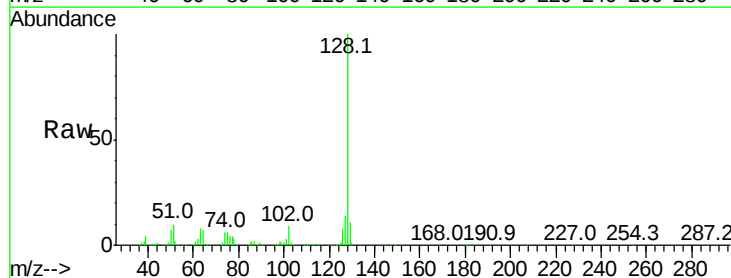
Tgt Ion:128 Resp: 662224

Ion Ratio Lower Upper

128 100

127 13.5 10.0 15.0

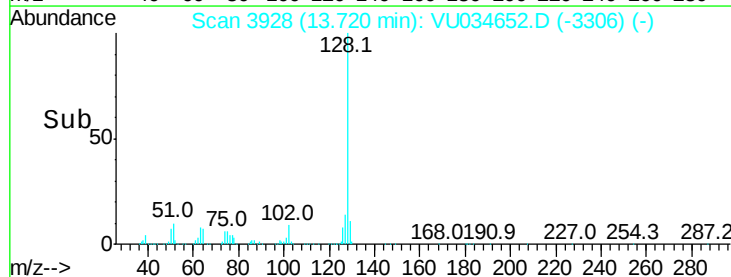
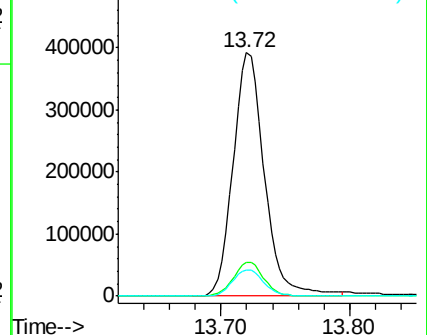
129 10.7 8.6 12.8

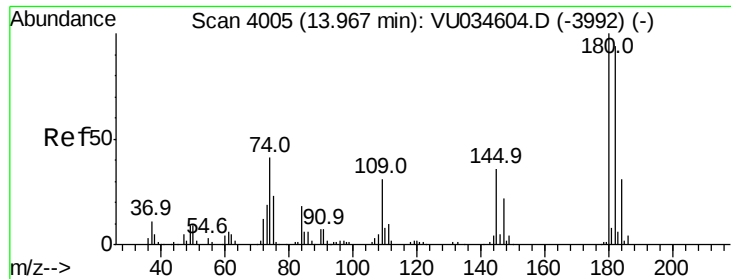


Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V

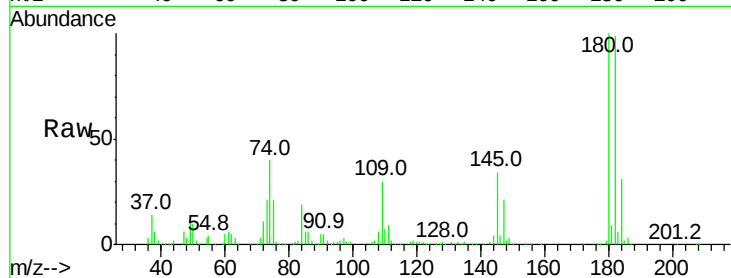




#70
 1,2,3-Trichlorobenzene
 Concen: 53.129 ug/L
 RT: 13.96 min Scan# 4004
 Delta R.T. -0.00 min
 Lab File: VU034652.D
 Acq: 19 Sep 2019 16:23

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD05033

Tgt Ion	Ratio	Lower	Upper
180	100		
182	99.0	77.1	115.7
145	32.5	27.4	41.0



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

