

Data File : VU034552.D
Acq On : 16 Sep 2019 12:12
Operator : JC/SP
Sample : VSTD100
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 5 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
VSTD10033

Quant Time: Sep 16 12:46:13 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM091619WMA.M
Quant Title : VOC Analysis
QLast Update : Mon Sep 16 12:41:20 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.86	114	358141	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.07	117	342674	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.46	152	165249	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.39	65	170144	54.17	ug/L	0.00
7) Chloroethane-d5	1.67	69	133064	53.41	ug/L	0.00
11) 1,1-Dichloroethene-d2	2.26	63	349701	61.72	ug/L	0.00
21) 2-Butanone-d5	4.15	46	425552	201.35	ug/L	0.00
24) Chloroform-d	4.62	84	396510	77.55	ug/L	0.00
26) 1,2-Dichloroethane-d4	5.28	65	236943	71.71	ug/L	0.00
32) Benzene-d6	5.32	84	746090	76.64	ug/L	0.00
36) 1,2-Dichloropropane-d6	6.31	67	278409	88.14	ug/L	0.00
41) Toluene-d8	7.54	98	730939	83.09	ug/L	0.00
43) trans-1,3-Dichloropropene-	7.83	79	134889	92.53	ug/L	0.00
47) 2-Hexanone-d5	8.29	63	322325	245.39	ug/L	0.00
57) 1,1,2,2-Tetrachloroethane-	10.41	84	440281	97.88	ug/L	0.00
64) 1,2-Dichlorobenzene-d4	11.84	152	294993	87.48	ug/L	0.00

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.20	85	223528	67.419	ug/L	100
3) Chloromethane	1.32	50	227179	71.310	ug/L	100
5) Vinyl chloride	1.40	62	228910	61.172	ug/L	96
6) Bromomethane	1.61	94	117725	81.198	ug/L	96
8) Chloroethane	1.69	64	132151	58.868	ug/L	100
9) Trichlorofluoromethane	1.87	101	317823	72.423	ug/L	97
10) 1,1,2-Trichloro-1,2,2-trif	2.27	101	187024	74.535	ug/L	98
12) 1,1-Dichloroethene	2.27	96	163738	67.788	ug/L	94
13) Acetone	2.31	43	353362	183.056	ug/L	99
14) Carbon disulfide	2.46	76	430416	55.406	ug/L	99
15) Methyl Acetate	2.60	43	305310	90.821	ug/L	99
16) Methylene chloride	2.68	84	230923	79.350	ug/L	97
17) trans-1,2-Dichloroethene	2.96	96	187539	72.287	ug/L	98
18) Methyl tert-butyl Ether	2.98	73	778655	99.154	ug/L	99
19) 1,1-Dichloroethane	3.42	63	425160	82.231	ug/L	98
20) cis-1,2-Dichloroethene	4.20	96	245639	86.016	ug/L	95
22) 2-Butanone	4.23	43	512318	211.242	ug/L	97
23) Bromochloromethane	4.52	128	115752	78.816	ug/L	97
25) Chloroform	4.65	83	432138	84.392	ug/L	99
27) 1,2-Dichloroethane	5.38	62	321518	80.017	ug/L	100
29) Cyclohexane	4.97	56	334259	84.542	ug/L	97
30) 1,1,1-Trichloroethane	4.89	97	349432	88.544	ug/L	99
31) Carbon tetrachloride	5.11	117	296887	84.755	ug/L	99
33) Benzene	5.37	78	894251	86.303	ug/L	100
34) Trichloroethene	6.16	95	224950	83.669	ug/L	97
35) Methylcyclohexane	6.39	83	334528	82.533	ug/L	99
37) 1,2-Dichloropropane	6.41	63	272680	96.191	ug/L	99
38) Bromodichloromethane	6.73	83	351616	95.990	ug/L	97
39) cis-1,3-Dichloropropene	7.25	75	417945	99.194	ug/L	100
40) 4-Methyl-2-pentanone	7.44	43	980127	241.406	ug/L	100

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
42) Toluene	7.61	91	980245	91.422	ug/L	98
44) trans-1,3-Dichloropropene	7.86	75	391846	103.202	ug/L	98
45) 1,1,2-Trichloroethane	8.04	97	250637	96.365	ug/L	97
46) Tetrachloroethene	8.21	164	148306	70.980	ug/L	99
48) 2-Hexanone	8.34	43	764223	242.407	ug/L	98
49) Dibromochloromethane	8.45	129	286275	99.219	ug/L	98
50) 1,2-Dibromoethane	8.56	107	261758	94.374	ug/L	99
51) Chlorobenzene	9.10	112	634211	89.434	ug/L	99
52) Ethylbenzene	9.23	91	1121334	96.822	ug/L	100
53) m,p-Xylene	9.35	106	407529	95.489	ug/L	100
54) o-xylene	9.76	106	414221	98.463	ug/L	93
55) Styrene	9.77	104	729796	101.882	ug/L	100
56) Isopropylbenzene	10.14	105	1107988	101.355	ug/L	99
58) 1,1,2,2-Tetrachloroethane	10.43	83	502931	111.566	ug/L	99
59) 1,2,3-Trichloropropane	10.47	75	379176	104.662	ug/L	98
61) Bromoform	9.94	173	211136	101.285	ug/L	98
62) 1,3-Dichlorobenzene	11.39	146	491958	94.775	ug/L	100
63) 1,4-Dichlorobenzene	11.48	146	496832	92.371	ug/L	98
65) 1,2-Dichlorobenzene	11.86	146	497395	96.046	ug/L	99
66) 1,2-Dibromo-3-chloropropan	12.63	75	113997	120.026	ug/L	98
67) 1,3,5-Trichlorobenzene	12.86	180	329005	82.459	ug/L	99
68) 1,2,4-trichlorobenzene	13.48	180	300911	91.979	ug/L	99
69) Naphthalene	13.72	128	1165562	119.326	ug/L	100
70) 1,2,3-Trichlorobenzene	13.96	180	300563	86.934	ug/L	98

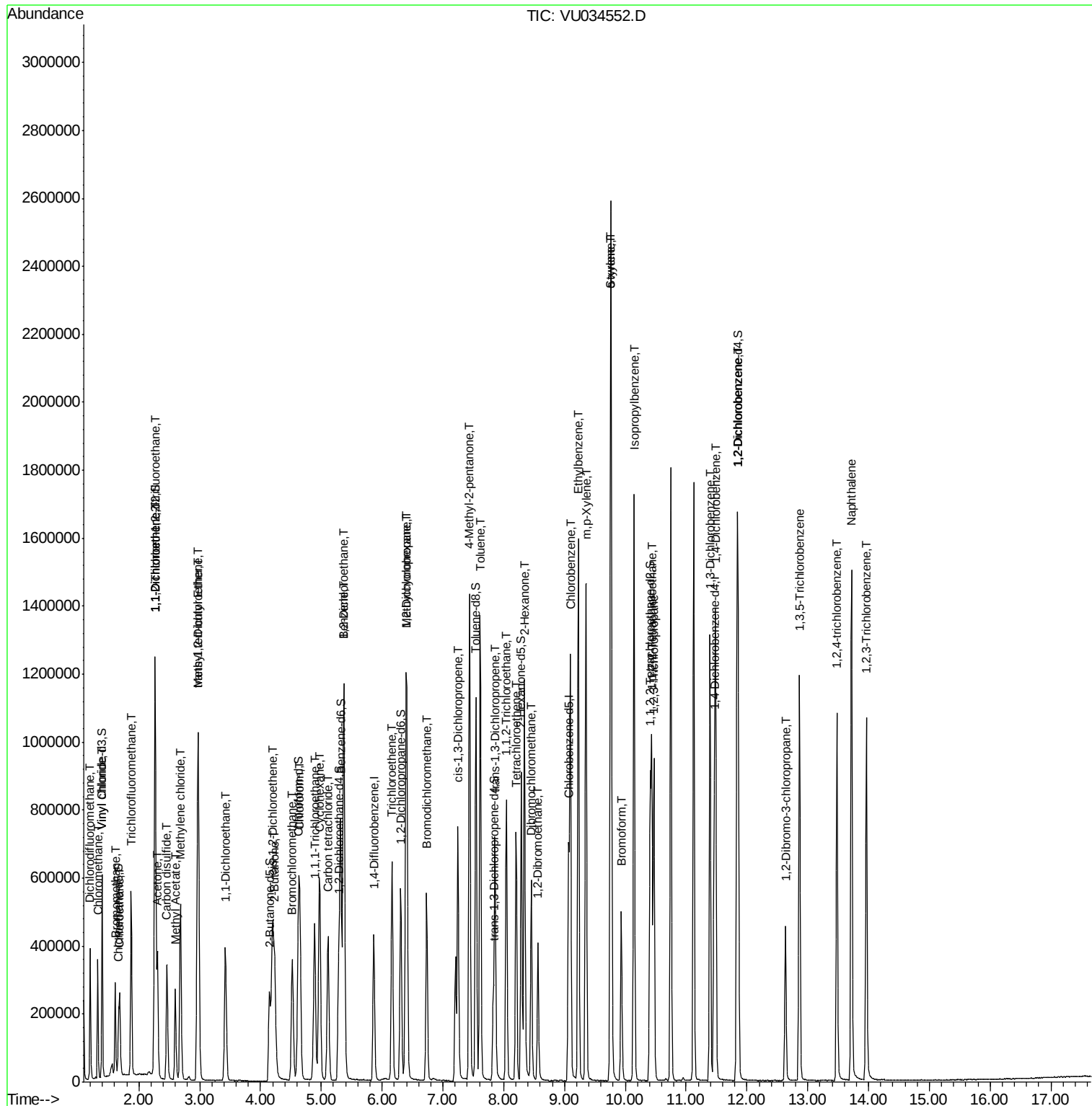
(#) = qualifier out of range (m) = manual integration (+) = signals summed

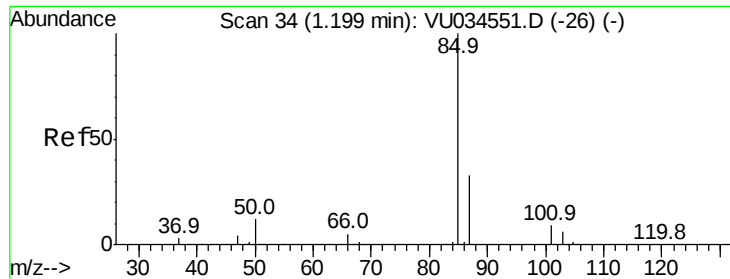
Data File : VU034552.D

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#2

Dichlorodifluoromethane

Concen: 67.419 ug/L

RT: 1.20 min Scan# 34

Delta R.T. 0.00 min

Lab File: VU034552.D

Acq: 16 Sep 2019 12:12

Instrument :

MSVOA_U

ClientSampleId :

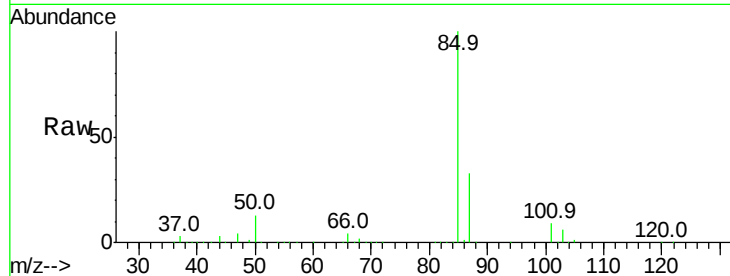
VSTD10033

Tgt Ion: 85 Resp: 223528

Ion Ratio Lower Upper

85 100

87 32.7 26.1 39.1



Abundance Ion 85.00 (84.70 to 85.70): VU034552.D (-1) (-)

Ion 87.00 (86.70 to 87.70): VU034552.D (-1) (-)

250000

200000

150000

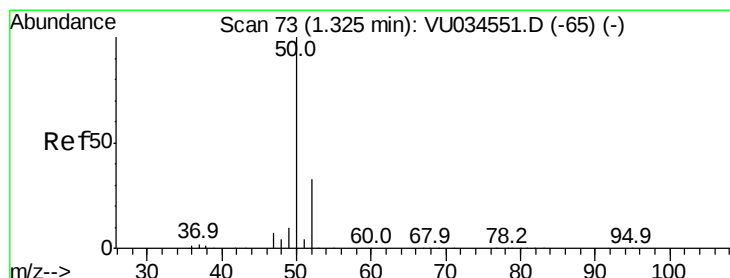
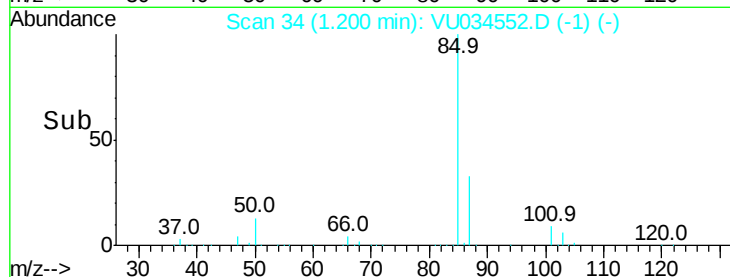
100000

50000

0

1.15 1.20 1.25

Time-->



#3

Chloromethane

Concen: 71.310 ug/L

RT: 1.32 min Scan# 72

Delta R.T. -0.00 min

Lab File: VU034552.D

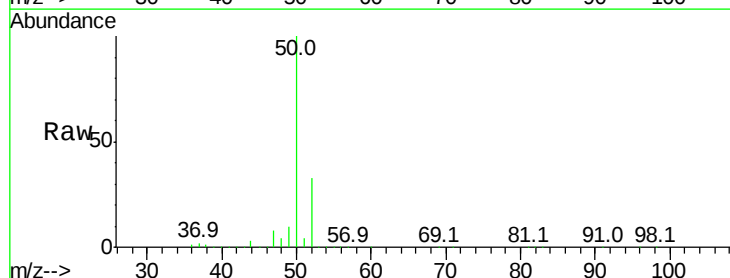
Acq: 16 Sep 2019 12:12

Tgt Ion: 50 Resp: 227179

Ion Ratio Lower Upper

50 100

52 33.3 23.2 43.0



Abundance Ion 50.00 (49.70 to 50.70): VU034552.D (-1) (-)

Ion 52.00 (51.70 to 52.70): VU034552.D (-1) (-)

250000

200000

150000

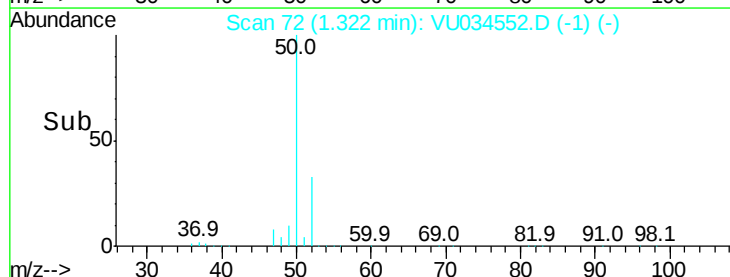
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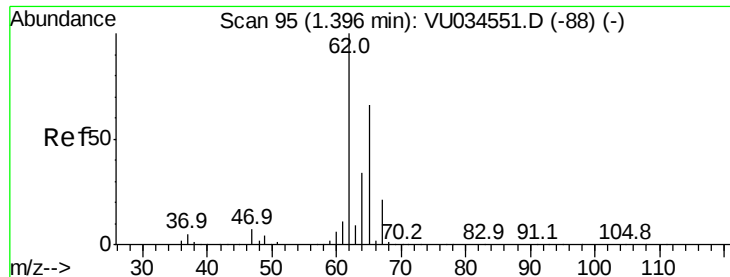
50000

0

1.30 1.32 1.35

Time-->





#5

Vinyl chloride

Concen: 61.172 ug/L

RT: 1.40 min Scan# 95

Delta R.T. 0.00 min

Lab File: VU034552.D

Acq: 16 Sep 2019 12:12

Instrument :

MSVOA_U

ClientSampleId :

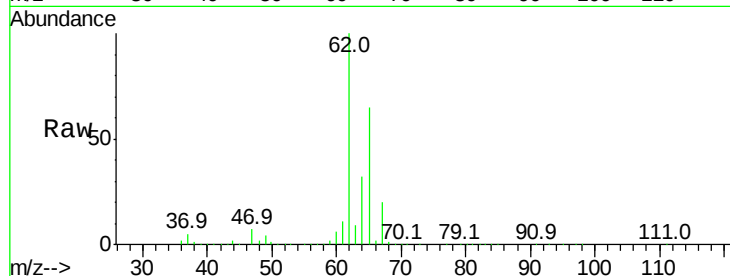
VSTD10033

Tgt Ion: 62 Resp: 228910

Ion Ratio Lower Upper

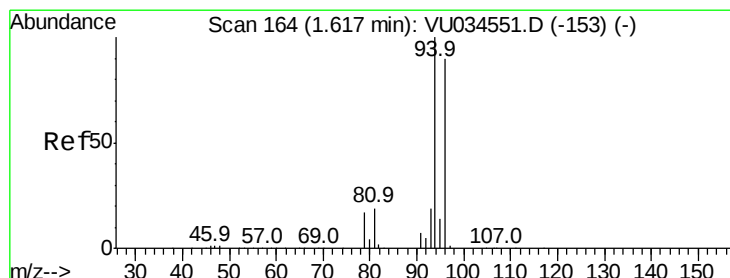
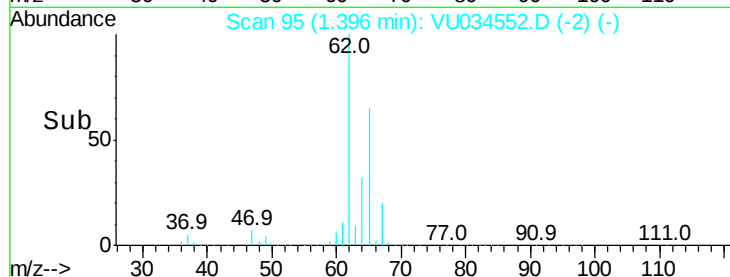
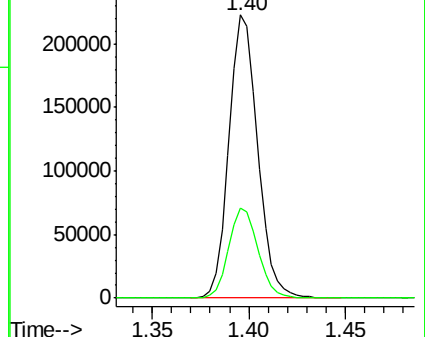
62 100

64 32.0 24.1 44.7



Abundance Ion 62.00 (61.70 to 62.70): VU0

Ion 64.00 (63.70 to 64.70): VU0



#6

Bromomethane

Concen: 81.198 ug/L

RT: 1.61 min Scan# 162

Delta R.T. -0.01 min

Lab File: VU034552.D

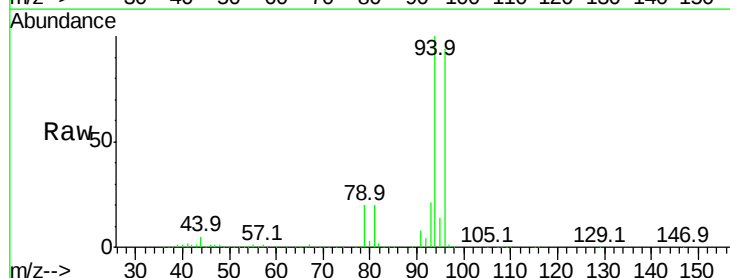
Acq: 16 Sep 2019 12:12

Tgt Ion: 94 Resp: 117725

Ion Ratio Lower Upper

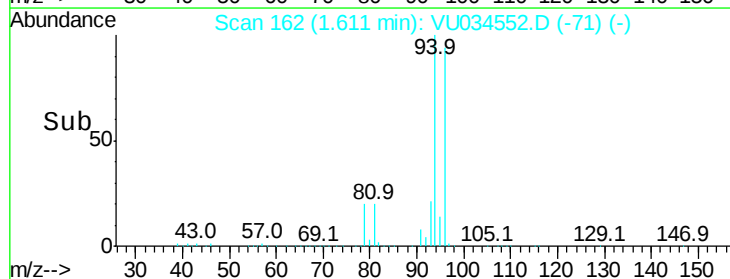
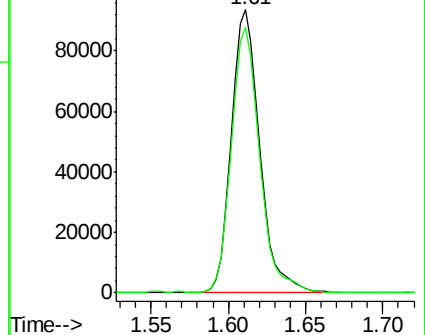
94 100

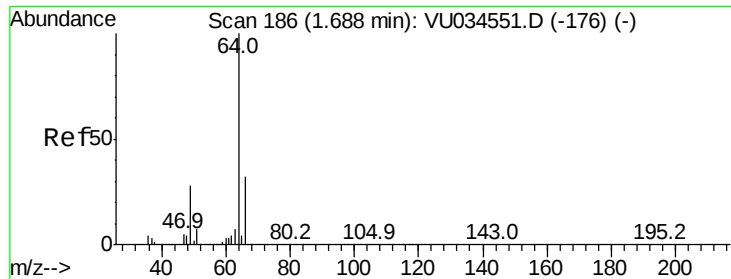
96 94.0 62.9 116.9



Abundance Ion 94.00 (93.70 to 94.70): VU0

Ion 96.00 (95.70 to 96.70): VU0





#8

Chloroethane

Concen: 58.868 ug/L

RT: 1.69 min Scan# 185

Delta R.T. -0.00 min

Lab File: VU034552.D

Acq: 16 Sep 2019 12:12

Instrument :

MSVOA_U

ClientSampled :

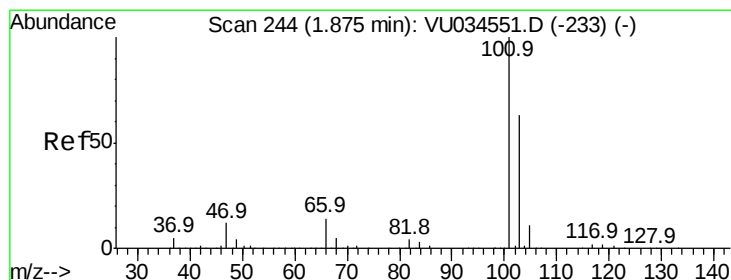
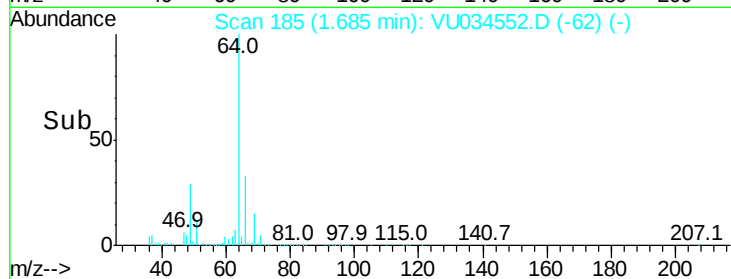
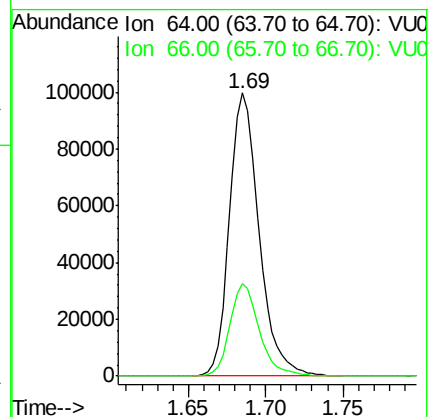
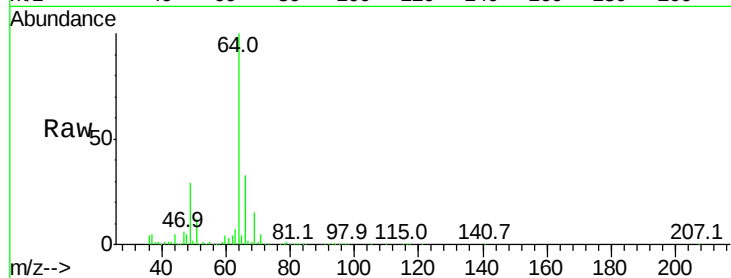
VSTD10033

Tgt Ion: 64 Resp: 132151

Ion Ratio Lower Upper

64 100

66 32.7 22.7 42.1



#9

Trichlorofluoromethane

Concen: 72.423 ug/L

RT: 1.87 min Scan# 244

Delta R.T. 0.00 min

Lab File: VU034552.D

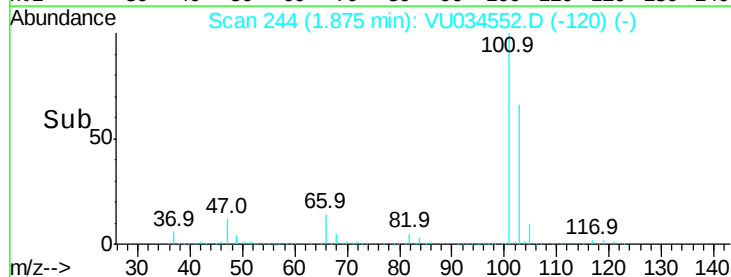
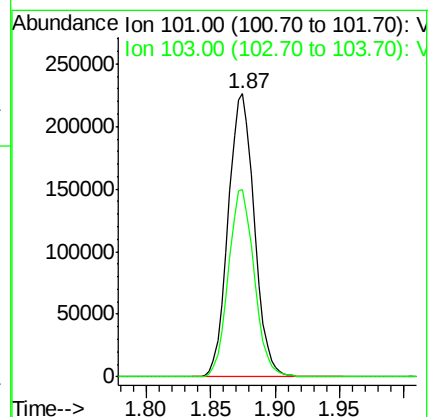
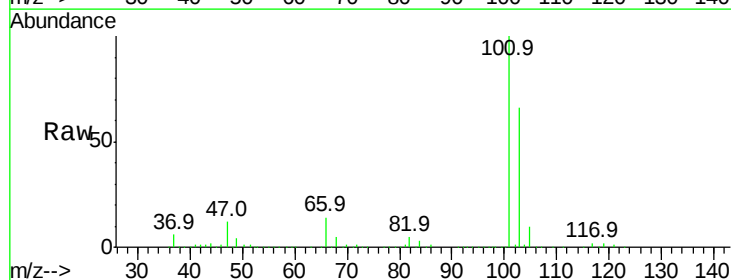
Acq: 16 Sep 2019 12:12

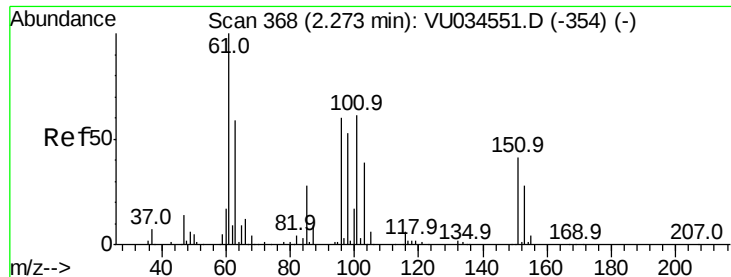
Tgt Ion: 101 Resp: 317823

Ion Ratio Lower Upper

101 100

103 65.5 50.7 76.1





#10

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

Concen: 74.535 ug/L

RT: 2.27 min Scan# 368

Delta R.T. 0.00 min

Lab File: VU034552.D

Acq: 16 Sep 2019 12:12

Instrument :

MSVOA_U

ClientSampleId :

VSTD10033

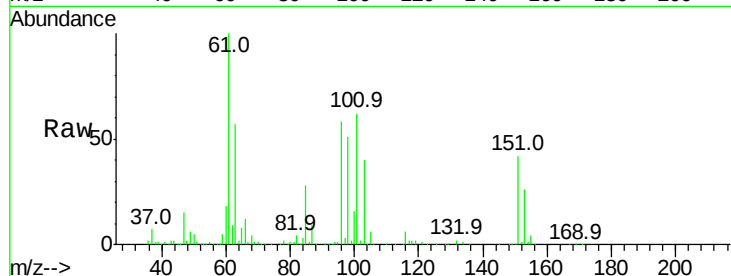
Tgt Ion: 101 Resp: 187024

Ion Ratio Lower Upper

101 100

85 45.5 37.0 55.6

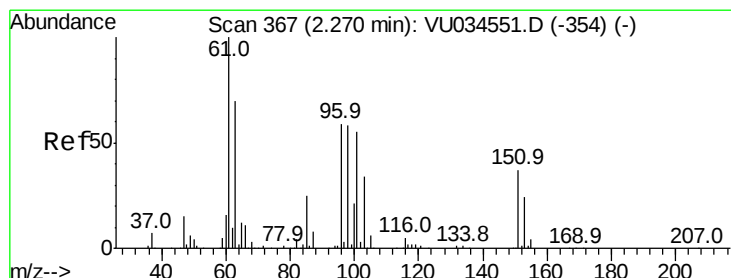
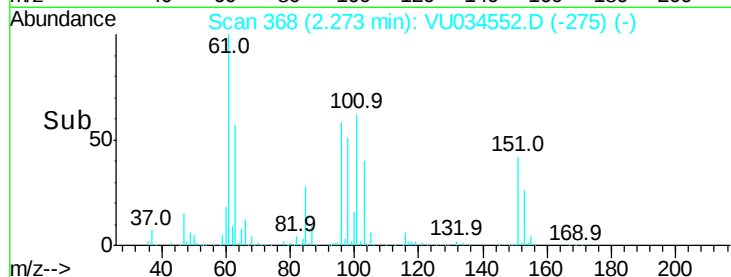
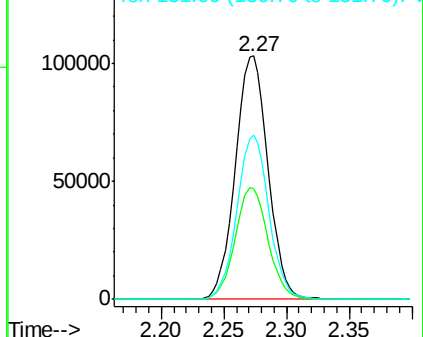
151 66.2 54.1 81.1



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



#12

1,1-Dichloroethene

Concen: 67.788 ug/L

RT: 2.27 min Scan# 367

Delta R.T. 0.00 min

Lab File: VU034552.D

Acq: 16 Sep 2019 12:12

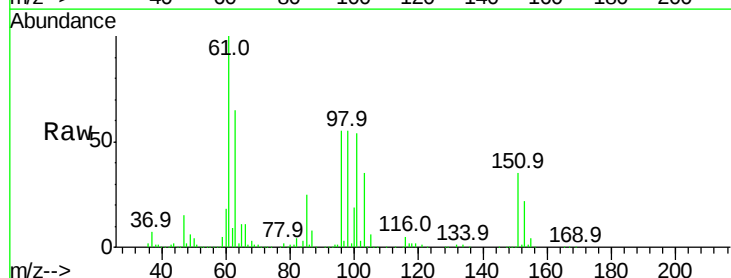
Tgt Ion: 96 Resp: 163738

Ion Ratio Lower Upper

96 100

61 180.8 117.8 218.8

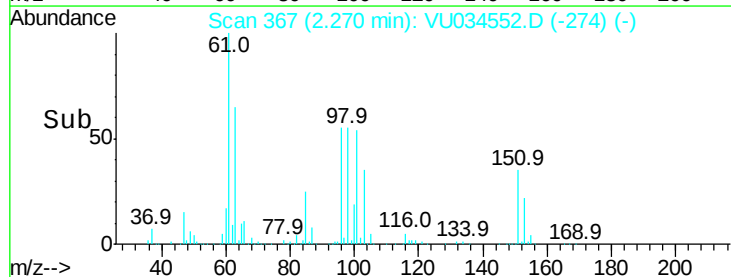
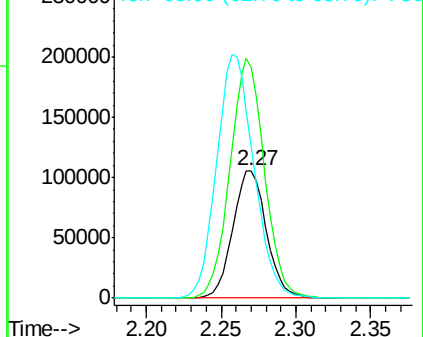
63 118.4 83.8 155.6

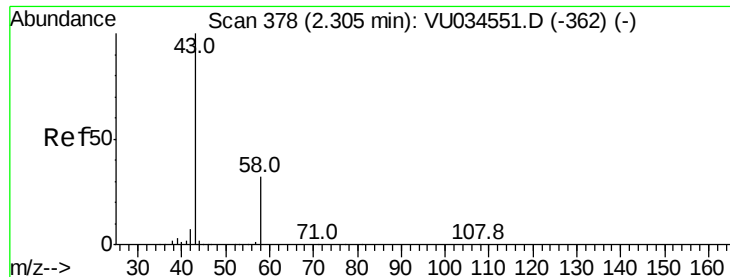


Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.00 (60.70 to 61.70): VU0

Ion 63.00 (62.70 to 63.70): VU0





#13

Acetone

Concen: 183.056 ug/L

RT: 2.31 min Scan# 378

Delta R.T. 0.00 min

Lab File: VU034552.D

Acq: 16 Sep 2019 12:12

Instrument :

MSVOA_U

ClientSampleId :

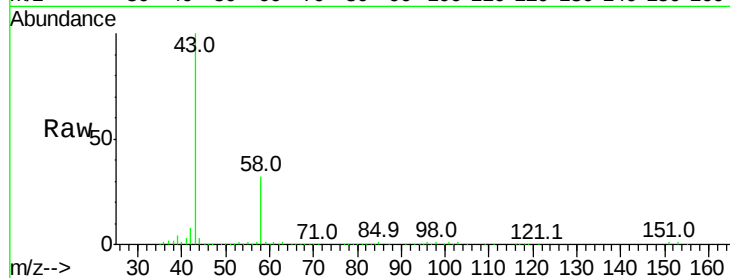
VSTD10033

Tgt Ion: 43 Resp: 353362

Ion Ratio Lower Upper

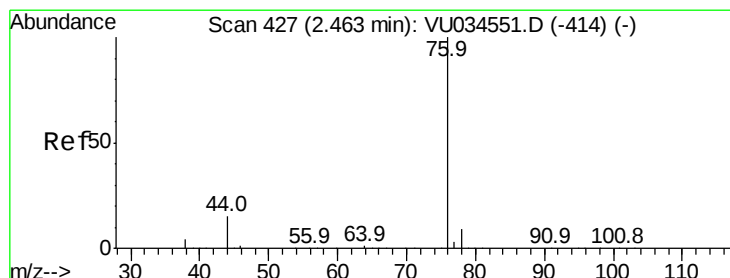
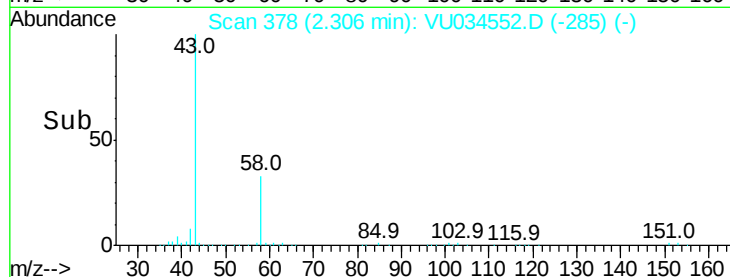
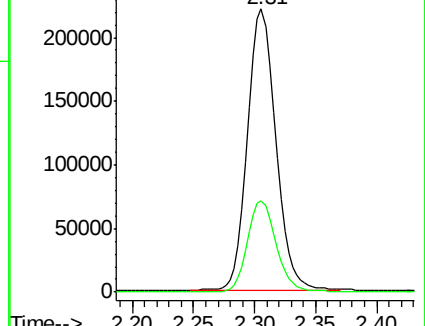
43 100

58 32.9 0.0 65.0



Abundance Ion 43.00 (42.70 to 43.70): VU034552.D (-285) (-)

Ion 58.00 (57.70 to 58.70): VU034552.D (-285) (-)



#14

Carbon disulfide

Concen: 55.406 ug/L

RT: 2.46 min Scan# 426

Delta R.T. -0.00 min

Lab File: VU034552.D

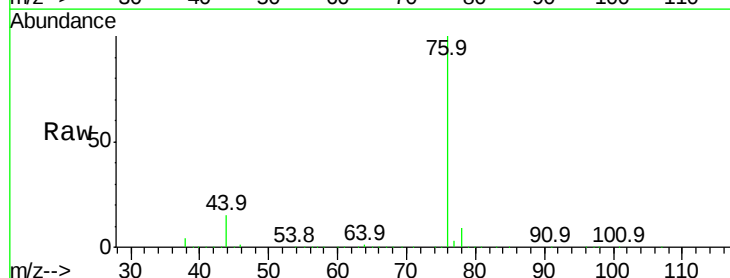
Acq: 16 Sep 2019 12:12

Tgt Ion: 76 Resp: 430416

Ion Ratio Lower Upper

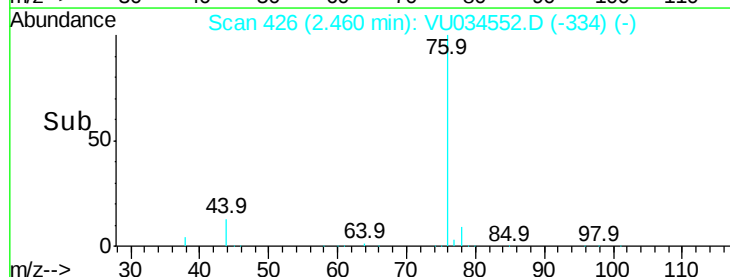
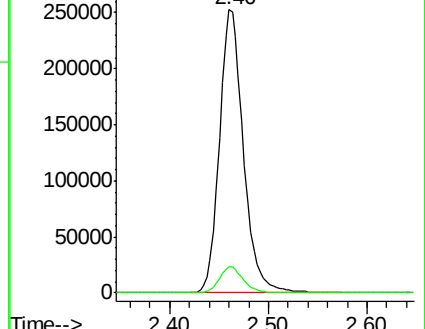
76 100

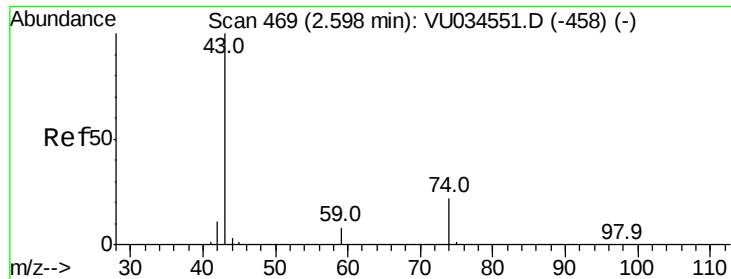
78 9.3 7.1 10.7



Abundance Ion 76.00 (75.70 to 76.70): VU034552.D (-334) (-)

Ion 78.00 (77.70 to 78.70): VU034552.D (-334) (-)

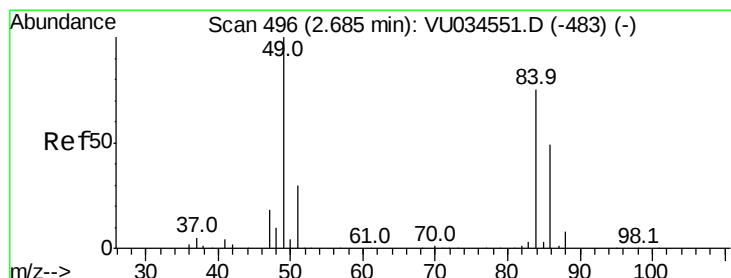
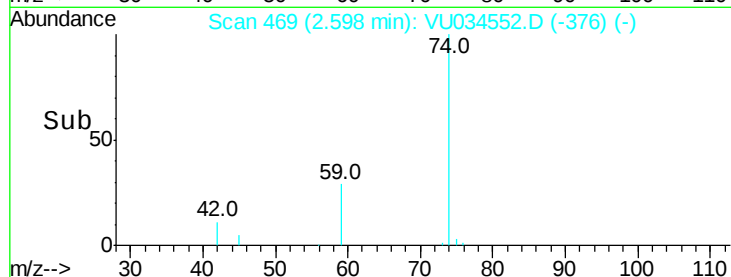
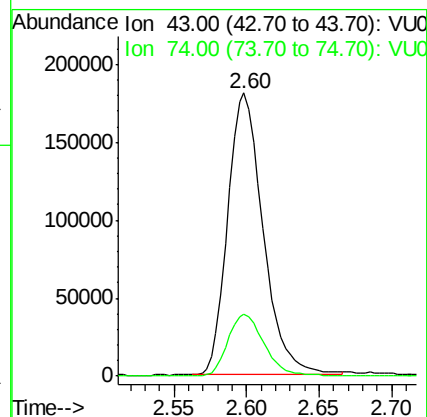
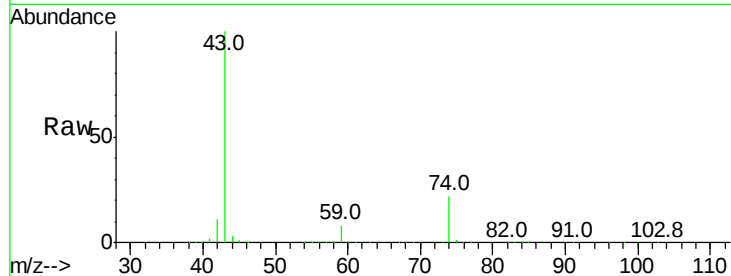




#15
Methyl Acetate
Concen: 90.821 ug/L
RT: 2.60 min Scan# 469
Delta R.T. 0.00 min
Lab File: VU034552.D
Acq: 16 Sep 2019 12:12

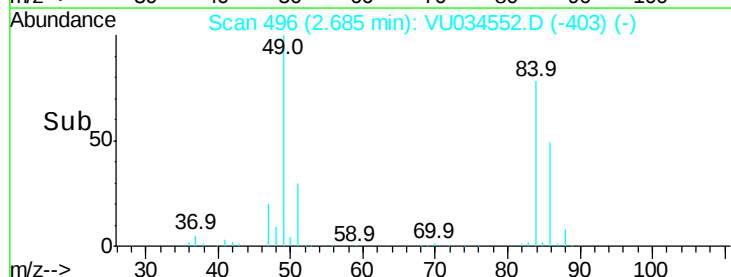
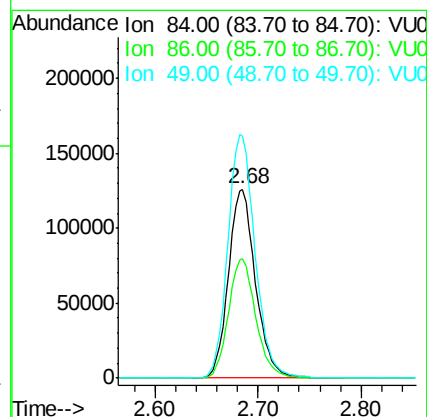
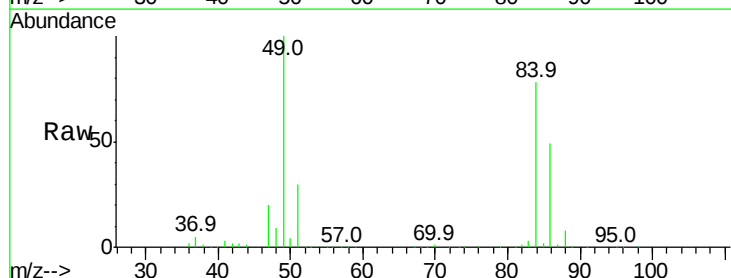
Instrument :
MSVOA_U
ClientSampleId :
VSTD10033

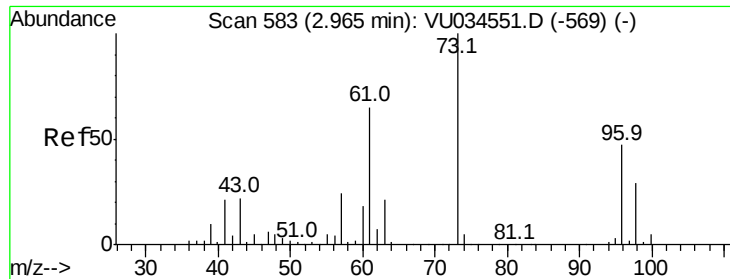
Tgt Ion: 43 Resp: 305310
Ion Ratio Lower Upper
43 100
74 22.6 18.6 28.0



#16
Methylene chloride
Concen: 79.350 ug/L
RT: 2.68 min Scan# 496
Delta R.T. 0.00 min
Lab File: VU034552.D
Acq: 16 Sep 2019 12:12

Tgt Ion: 84 Resp: 230923
Ion Ratio Lower Upper
84 100
86 63.2 45.4 84.4
49 128.2 93.1 172.9

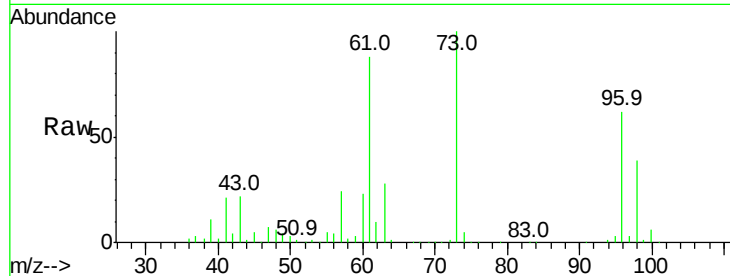




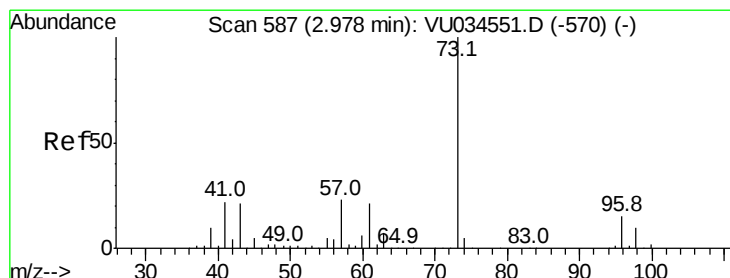
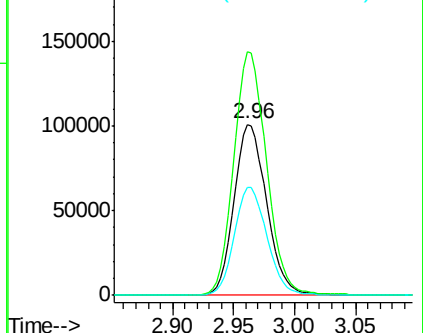
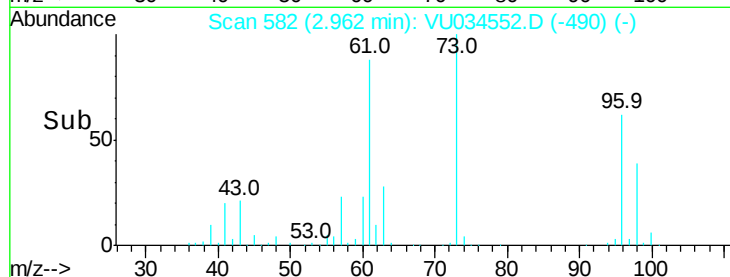
#17
trans-1,2-Dichloroethene
Concen: 72.287 ug/L
RT: 2.96 min Scan# 582
Delta R.T. -0.00 min
Lab File: VU034552.D
Acq: 16 Sep 2019 12:12

Instrument :
MSVOA_U
ClientSampleId :
VSTD10033

Tgt Ion: 96 Resp: 187539
Ion Ratio Lower Upper
96 100
61 142.3 97.0 180.2
98 63.4 44.1 81.9

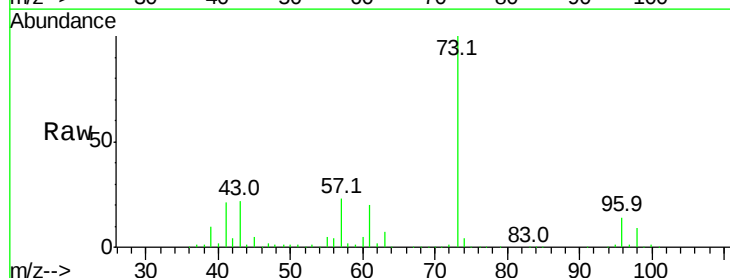


Abundance Ion 96.00 (95.70 to 96.70): VU0
Ion 61.00 (60.70 to 61.70): VU0
Ion 98.00 (97.70 to 98.70): VU0

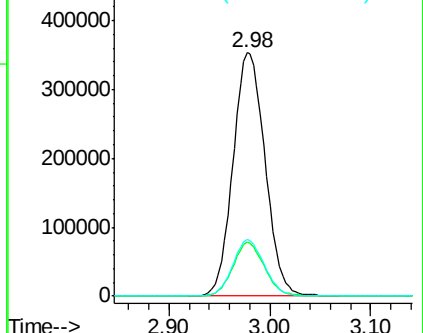
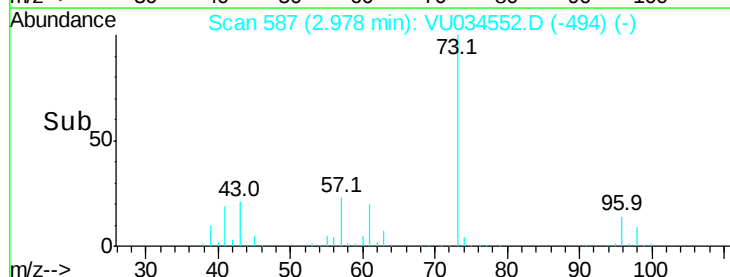


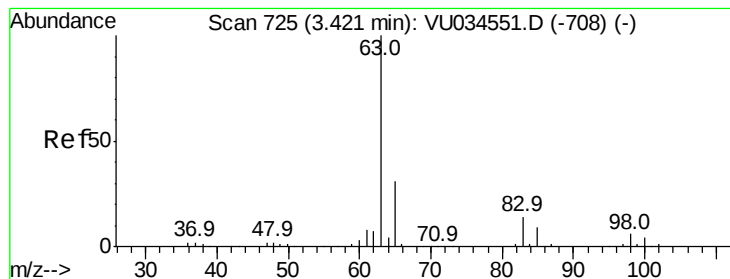
#18
Methyl tert-butyl Ether
Concen: 99.154 ug/L
RT: 2.98 min Scan# 587
Delta R.T. 0.00 min
Lab File: VU034552.D
Acq: 16 Sep 2019 12:12

Tgt Ion: 73 Resp: 778655
Ion Ratio Lower Upper
73 100
43 21.3 16.7 25.1
57 22.6 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: 82.231 ug/L

RT: 3.42 min Scan# 725

Delta R.T. 0.00 min

Lab File: VU034552.D

Acq: 16 Sep 2019 12:12

Instrument :

MSVOA_U

ClientSampleId :

VSTD10033

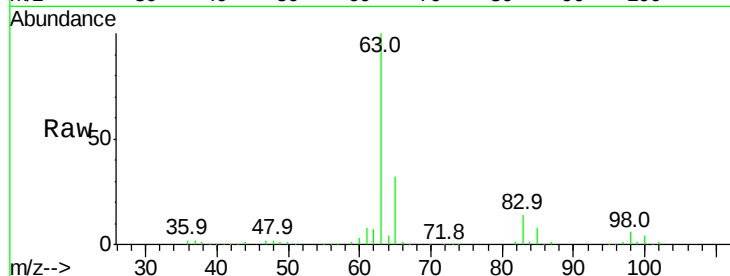
Tgt Ion: 63 Resp: 425160

Ion Ratio Lower Upper

63 100

65 31.9 21.6 40.0

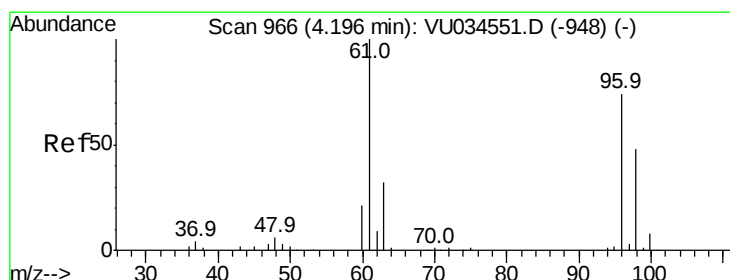
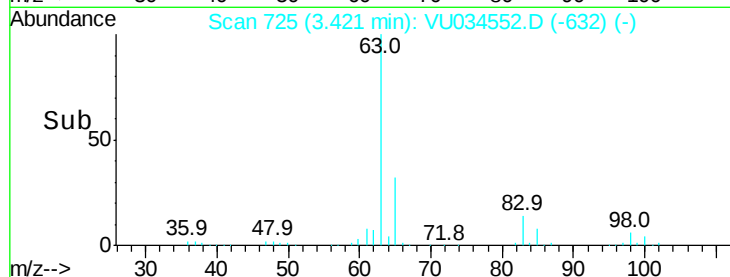
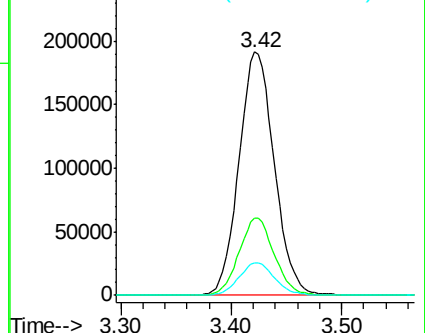
83 13.6 9.7 17.9



Abundance Ion 63.00 (62.70 to 63.70): VU034552.D (-632) (-)

Ion 65.00 (64.70 to 65.70): VU034552.D (-632) (-)

Ion 83.00 (82.70 to 83.70): VU034552.D (-632) (-)



#20

cis-1,2-Dichloroethene

Concen: 86.016 ug/L

RT: 4.20 min Scan# 967

Delta R.T. 0.00 min

Lab File: VU034552.D

Acq: 16 Sep 2019 12:12

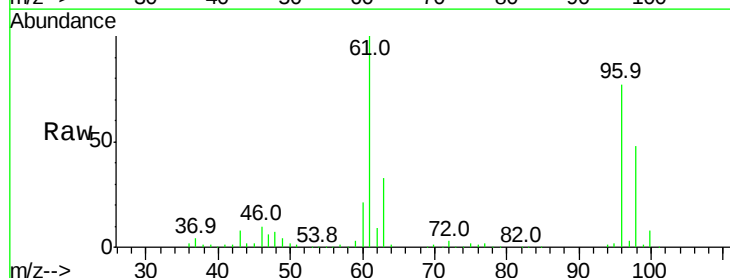
Tgt Ion: 96 Resp: 245639

Ion Ratio Lower Upper

96 100

61 129.9 94.7 175.9

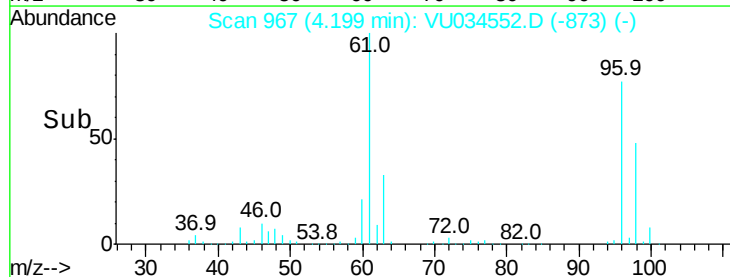
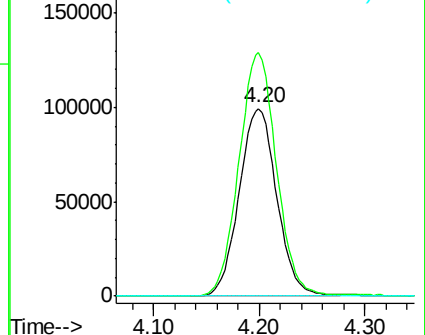
68 0.0 0.0 0.0

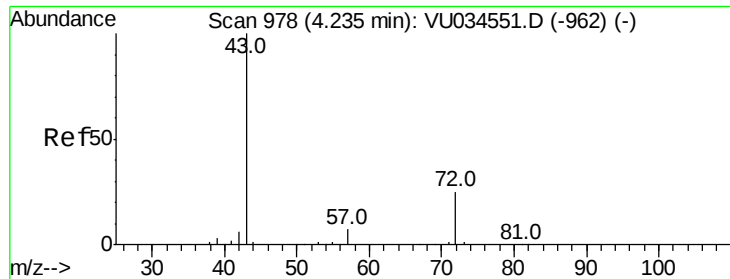


Abundance Ion 96.00 (95.70 to 96.70): VU034552.D (-873) (-)

Ion 61.00 (60.70 to 61.70): VU034552.D (-873) (-)

Ion 68.00 (67.70 to 68.70): VU034552.D (-873) (-)





#22

2-Butanone

Concen: 211.242 ug/L

RT: 4.23 min Scan# 978

Delta R.T. 0.00 min

Lab File: VU034552.D

Acq: 16 Sep 2019 12:12

Instrument :

MSVOA_U

ClientSampleId :

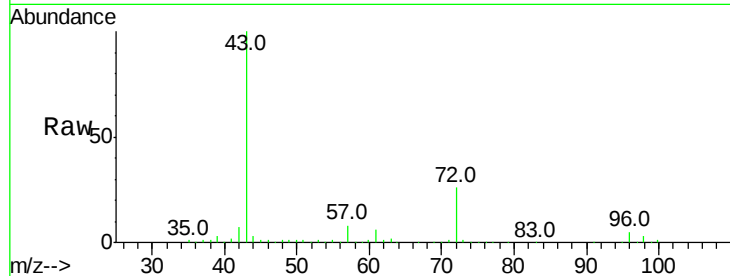
VSTD10033

Tgt Ion: 43 Resp: 512318

Ion Ratio Lower Upper

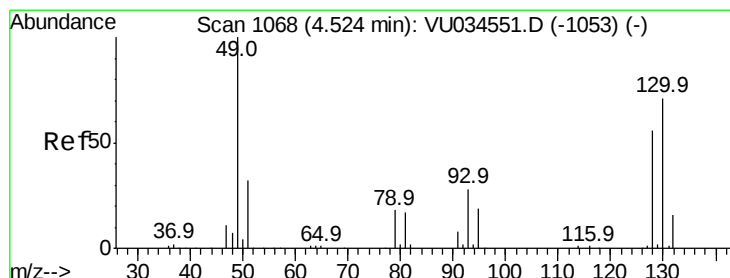
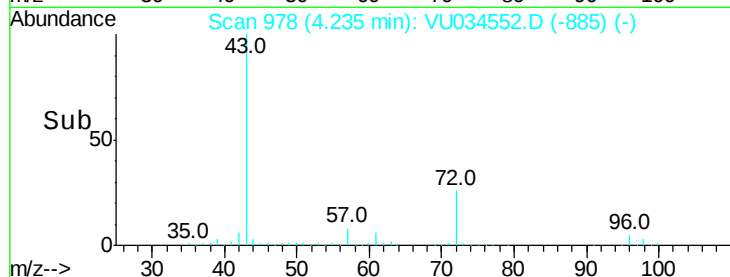
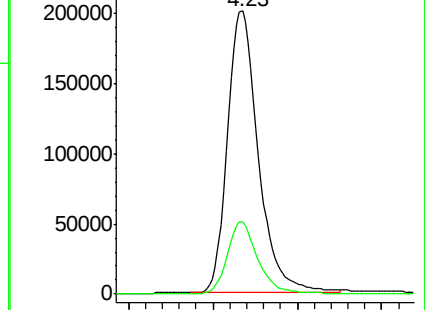
43 100

72 25.5 12.0 36.1



Abundance Ion 43.00 (42.70 to 43.70): VU034552.D (-962) (-)

Ion 72.00 (71.70 to 72.70): VU034552.D (-962) (-)



#23

Bromochloromethane

Concen: 78.816 ug/L

RT: 4.52 min Scan# 1068

Delta R.T. 0.00 min

Lab File: VU034552.D

Acq: 16 Sep 2019 12:12

Tgt Ion: 128 Resp: 115752

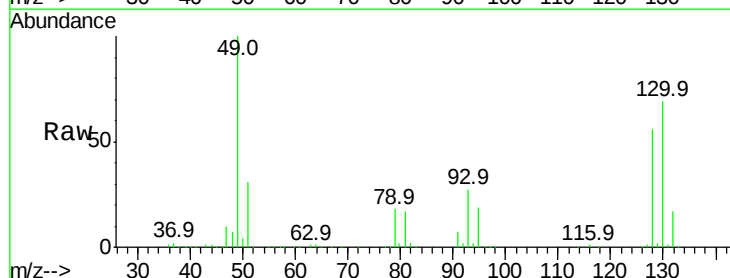
Ion Ratio Lower Upper

128 100

49 177.8 125.6 233.3

130 122.0 89.8 166.8

51 54.7 46.0 69.0

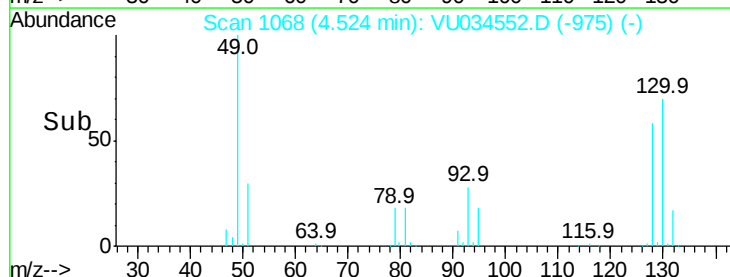
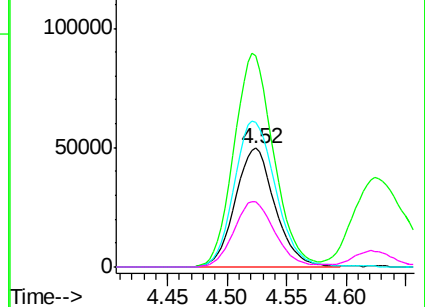


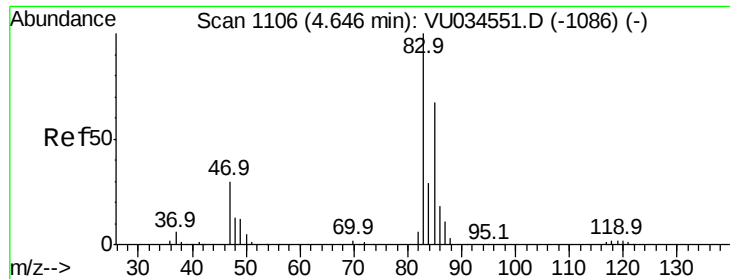
Abundance Ion 128.00 (127.70 to 128.70): VU034552.D (-1053) (-)

Ion 49.00 (48.70 to 49.70): VU034552.D (-1053) (-)

Ion 130.00 (129.70 to 130.70): VU034552.D (-1053) (-)

Ion 51.00 (50.70 to 51.70): VU034552.D (-1053) (-)





#25

Chloroform

Concen: 84.392 ug/L

RT: 4.65 min Scan# 1106

Delta R.T. 0.00 min

Lab File: VU034552.D

Acq: 16 Sep 2019 12:12

Instrument :

MSVOA_U

ClientSampleId :

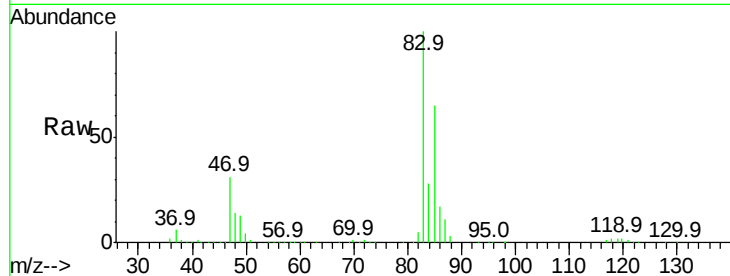
VSTD10033

Tgt Ion: 83 Resp: 432138

Ion Ratio Lower Upper

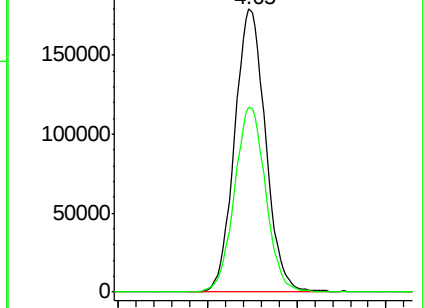
83 100

85 65.5 46.6 86.6

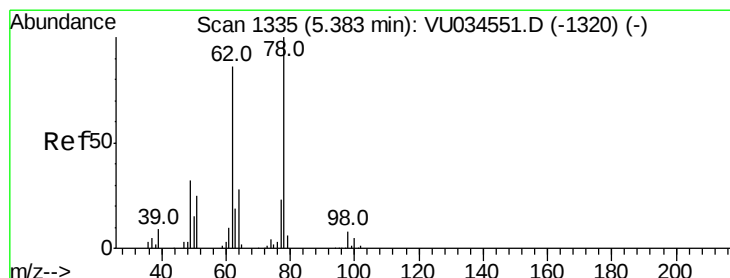
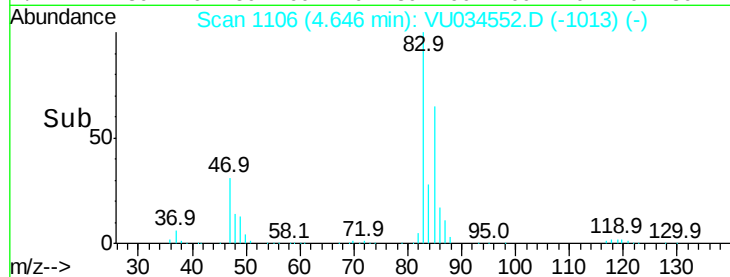


Abundance Ion 83.00 (82.70 to 83.70): VU034552.D (-1013) (-)

Ion 85.00 (84.70 to 85.70): VU034552.D (-1013) (-)



Time-->



#27

1,2-Dichloroethane

Concen: 80.017 ug/L

RT: 5.38 min Scan# 1334

Delta R.T. -0.00 min

Lab File: VU034552.D

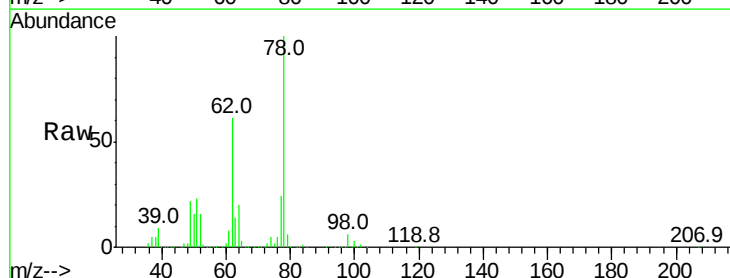
Acq: 16 Sep 2019 12:12

Tgt Ion: 62 Resp: 321518

Ion Ratio Lower Upper

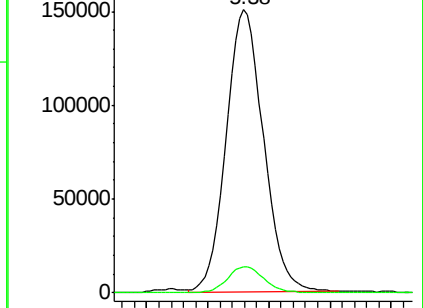
62 100

98 9.3 7.4 11.0

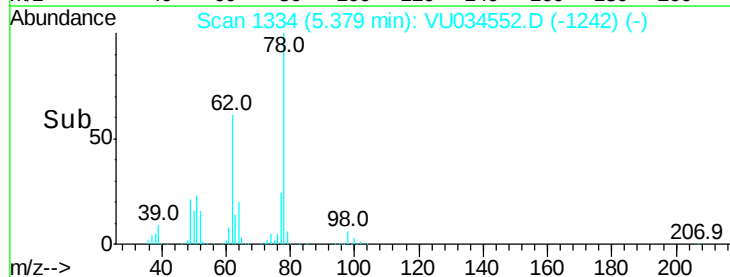


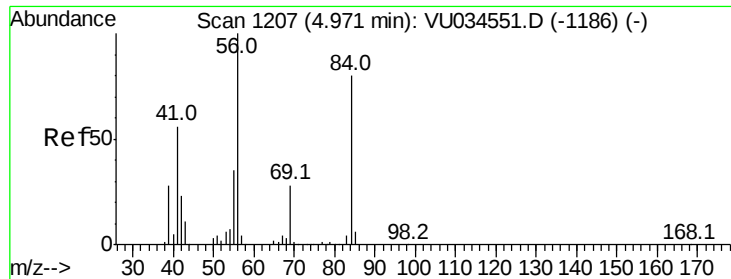
Abundance Ion 62.00 (61.70 to 62.70): VU034552.D (-1242) (-)

Ion 98.00 (97.70 to 98.70): VU034552.D (-1242) (-)



Time-->

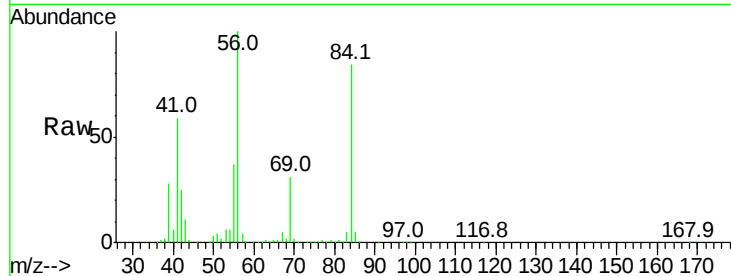




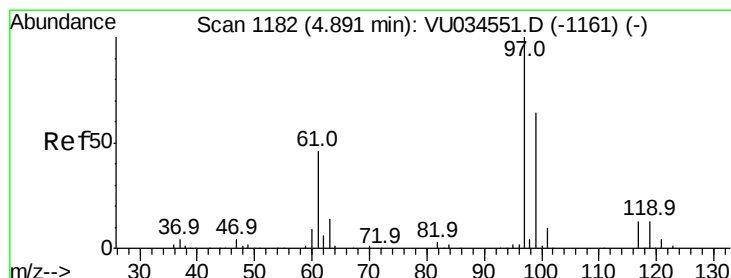
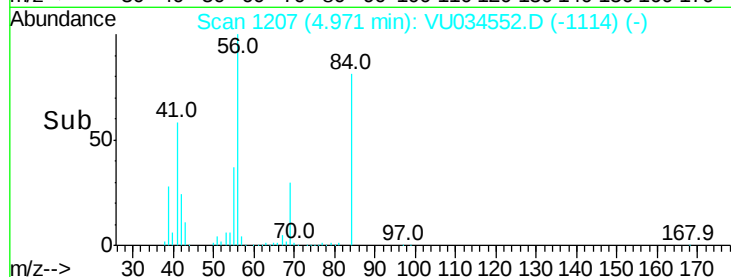
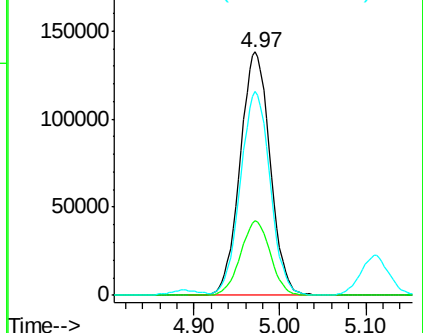
#29
Cyclohexane
Concen: 84.542 ug/L
RT: 4.97 min Scan# 1207
Delta R.T. 0.00 min
Lab File: VU034552.D
Acq: 16 Sep 2019 12:12

Instrument :
MSVOA_U
ClientSampleId :
VSTD10033

Tgt Ion	Ratio	Lower	Upper
56	100		
69	30.3	23.3	34.9
84	82.6	64.2	96.4

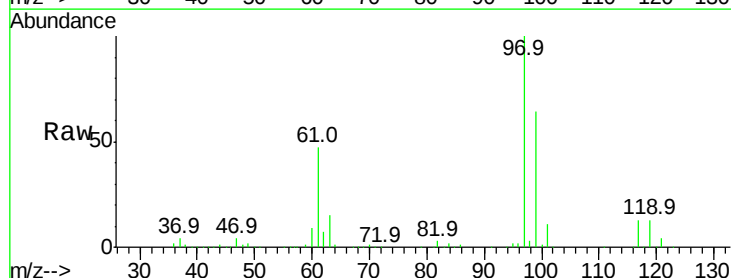


Abundance Ion 56.00 (55.70 to 56.70): VU0
Ion 69.00 (68.70 to 69.70): VU0
Ion 84.00 (83.70 to 84.70): VU0

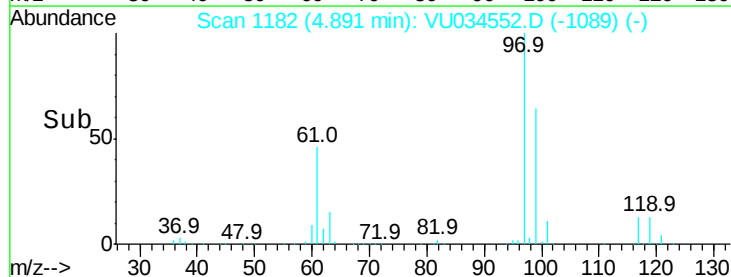
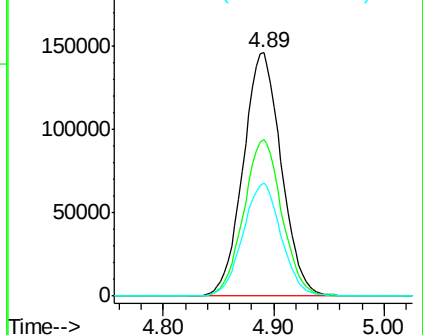


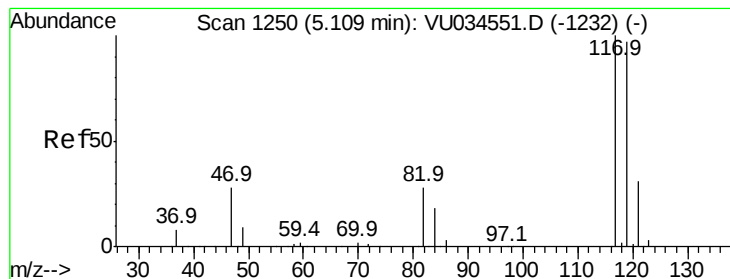
#30
1,1,1-Trichloroethane
Concen: 88.544 ug/L
RT: 4.89 min Scan# 1182
Delta R.T. 0.00 min
Lab File: VU034552.D
Acq: 16 Sep 2019 12:12

Tgt Ion	Ratio	Lower	Upper
97	100		
99	64.2	50.7	76.1
61	46.3	36.9	55.3



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: 84.755 ug/L

RT: 5.11 min Scan# 1251

Delta R.T. 0.00 min

Lab File: VU034552.D

Acq: 16 Sep 2019 12:12

Instrument :

MSVOA_U

ClientSampleId :

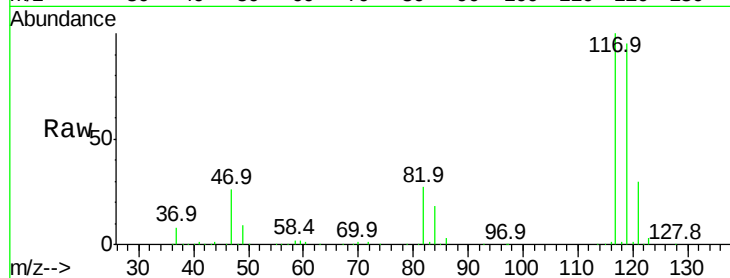
VSTD10033

Tgt Ion:117 Resp: 296887

Ion Ratio Lower Upper

117 100

119 95.9 77.2 115.8



Abundance Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V

5.11

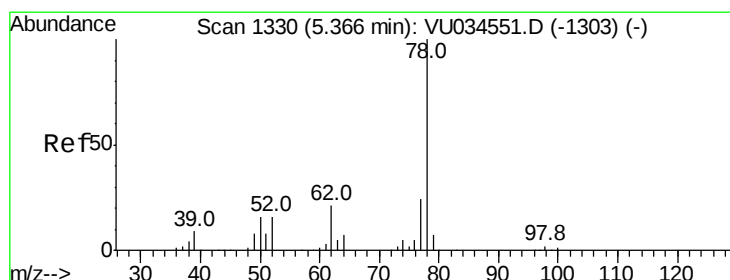
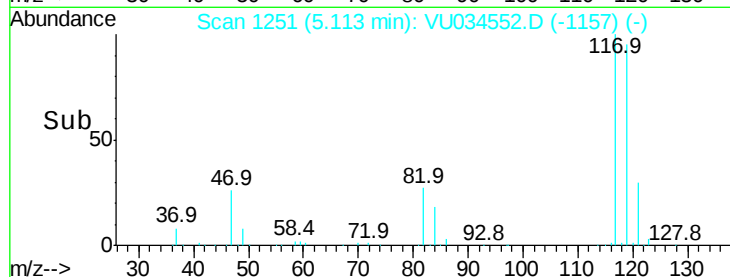
150000

100000

50000

0

Time-->



#33

Benzene

Concen: 86.303 ug/L

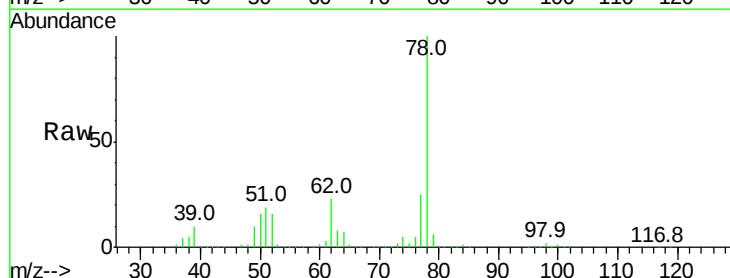
RT: 5.37 min Scan# 1330

Delta R.T. 0.00 min

Lab File: VU034552.D

Acq: 16 Sep 2019 12:12

Tgt Ion: 78 Resp: 894251



Abundance Ion 78.00 (77.70 to 78.70): VU0

500000

400000

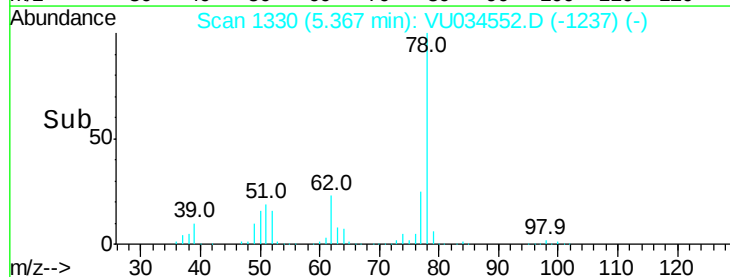
300000

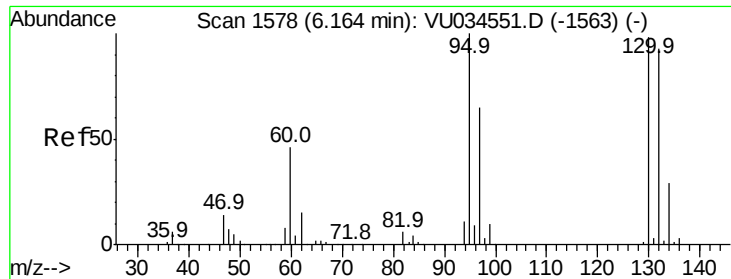
200000

100000

0

Time-->





#34

Trichloroethene

Concen: 83.669 ug/L

RT: 6.16 min Scan# 1578

Delta R.T. 0.00 min

Lab File: VU034552.D

Acq: 16 Sep 2019 12:12

Instrument :

MSVOA_U

ClientSampleId :

VSTD10033

Tgt Ion: 95 Resp: 224950

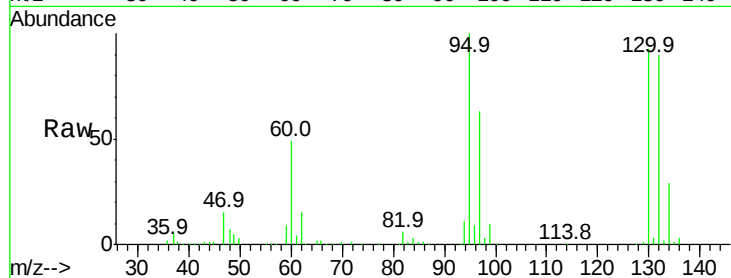
Ion Ratio Lower Upper

95 100

97 63.3 45.4 84.4

132 90.5 65.2 121.0

130 93.4 68.5 127.3

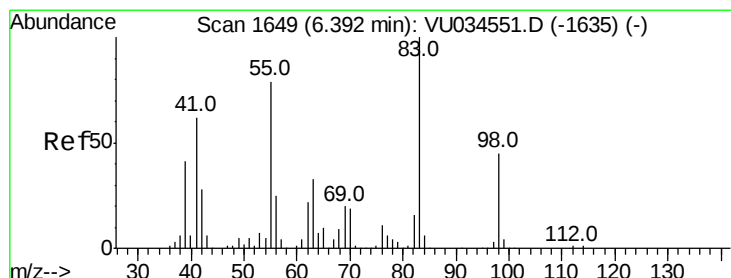
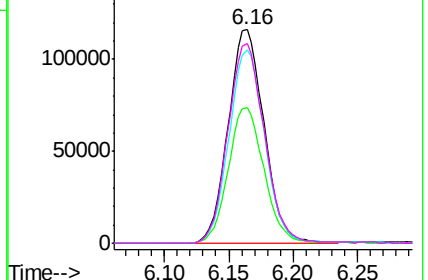
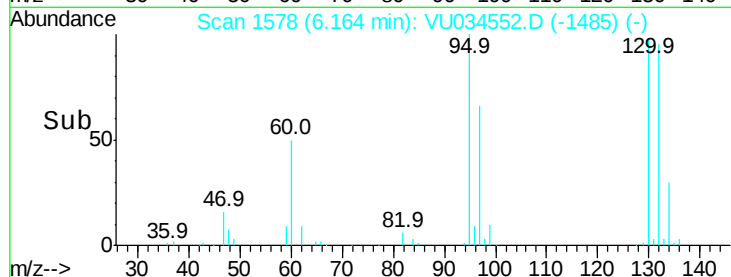


Abundance Ion 95.00 (94.70 to 95.70): VU0

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: 82.533 ug/L

RT: 6.39 min Scan# 1649

Delta R.T. 0.00 min

Lab File: VU034552.D

Acq: 16 Sep 2019 12:12

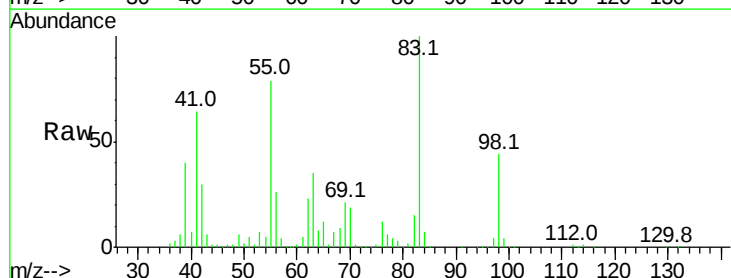
Tgt Ion: 83 Resp: 334528

Ion Ratio Lower Upper

83 100

55 77.5 63.0 94.6

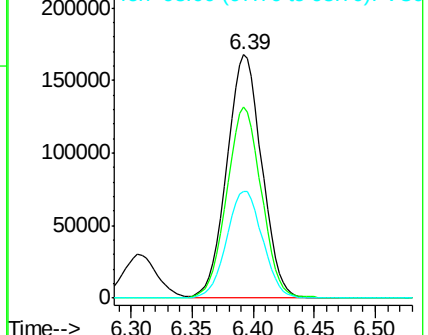
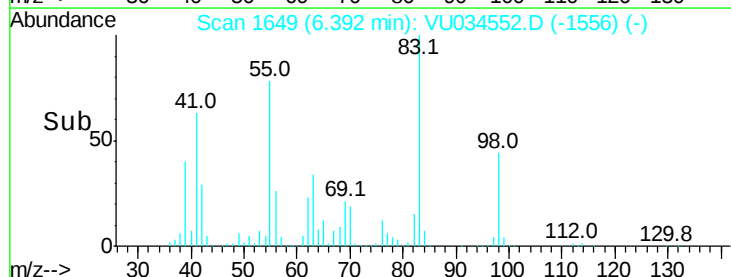
98 44.9 36.2 54.2

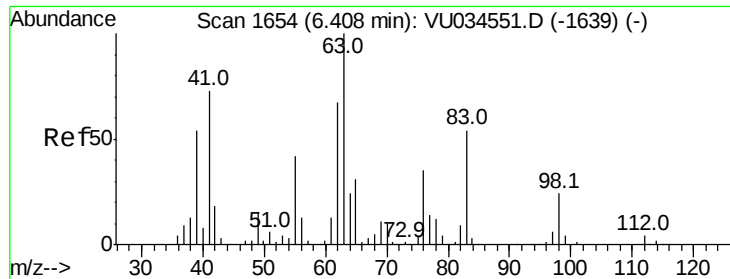


Abundance Ion 83.00 (82.70 to 83.70): VU0

Ion 55.00 (54.70 to 55.70): VU0

Ion 98.00 (97.70 to 98.70): VU0

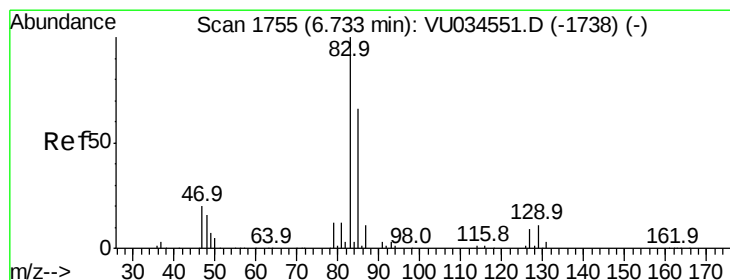
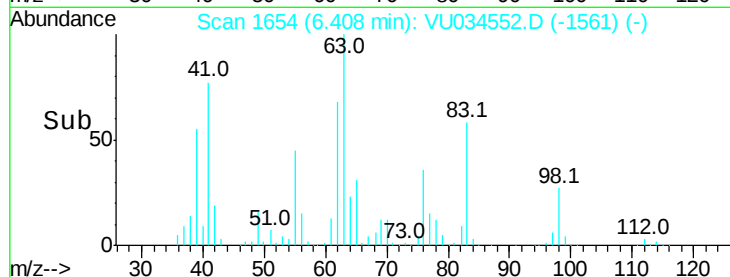
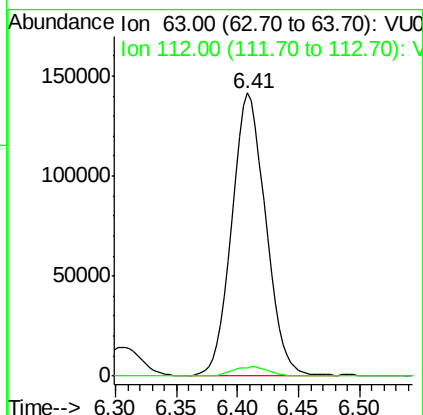
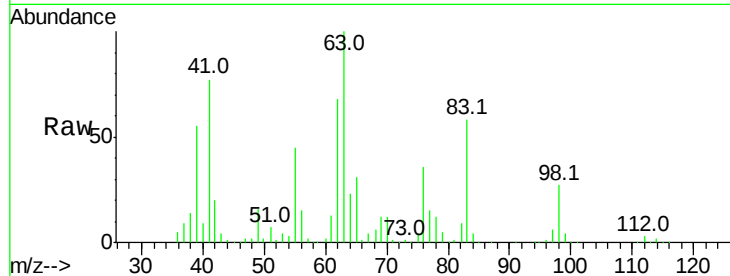




#37
 1,2-Dichloropropane
 Concen: 96.191 ug/L
 RT: 6.41 min Scan# 1654
 Delta R.T. 0.00 min
 Lab File: VU034552.D
 Acq: 16 Sep 2019 12:12

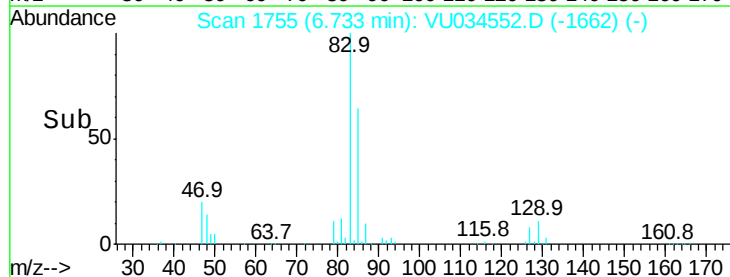
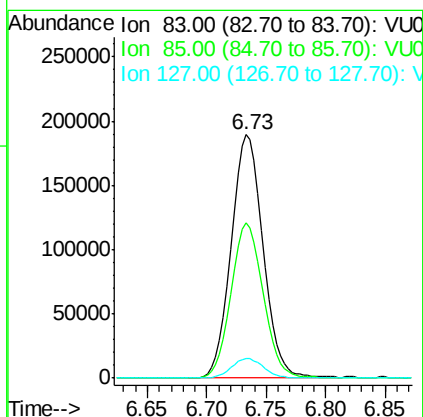
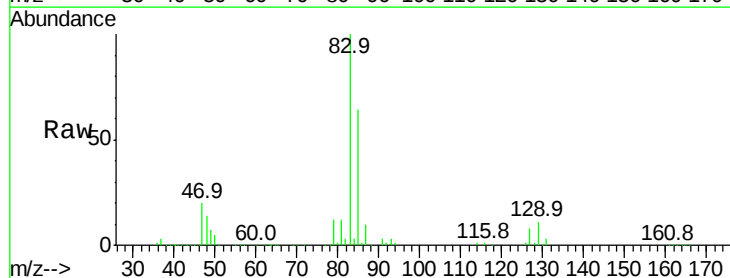
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD10033

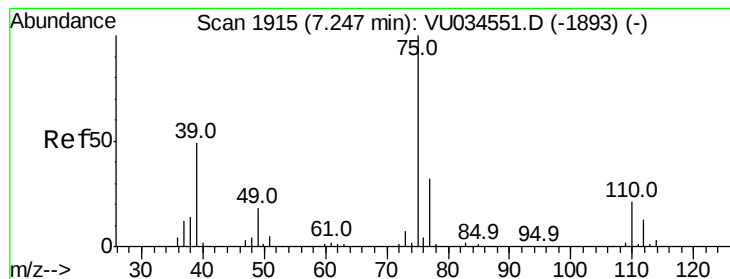
Tgt Ion: 63 Resp: 272680
 Ion Ratio Lower Upper
 63 100
 112 3.4 2.9 4.3



#38
 Bromodichloromethane
 Concen: 95.990 ug/L
 RT: 6.73 min Scan# 1755
 Delta R.T. 0.00 min
 Lab File: VU034552.D
 Acq: 16 Sep 2019 12:12

Tgt Ion: 83 Resp: 351616
 Ion Ratio Lower Upper
 83 100
 85 63.6 46.1 85.7
 127 8.1 7.0 10.6



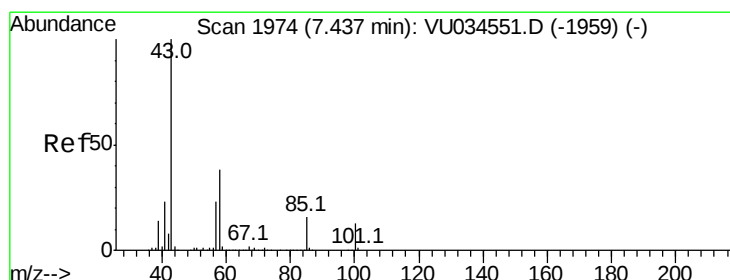
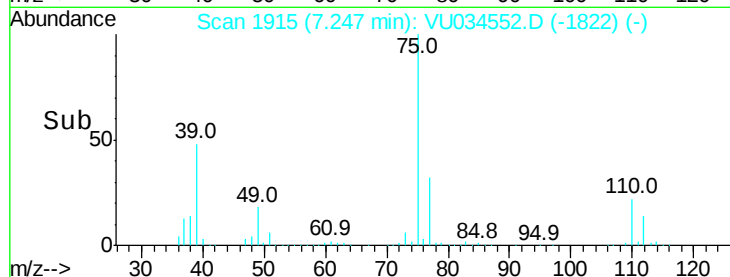
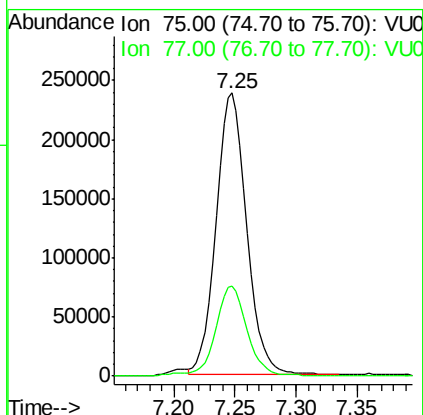
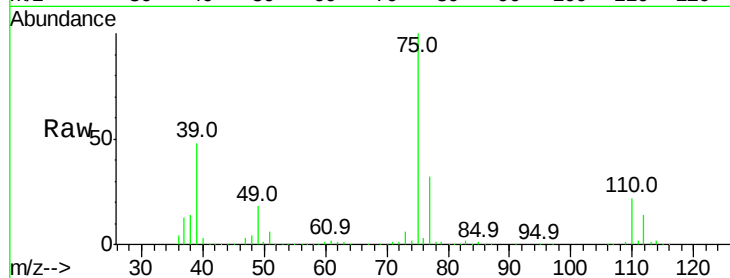


#39

cis-1,3-Dichloropropene
 Concen: 99.194 ug/L
 RT: 7.25 min Scan# 1915
 Delta R.T. 0.00 min
 Lab File: VU034552.D
 Acq: 16 Sep 2019 12:12

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD10033

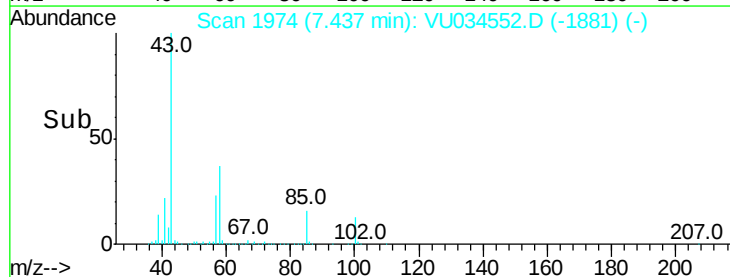
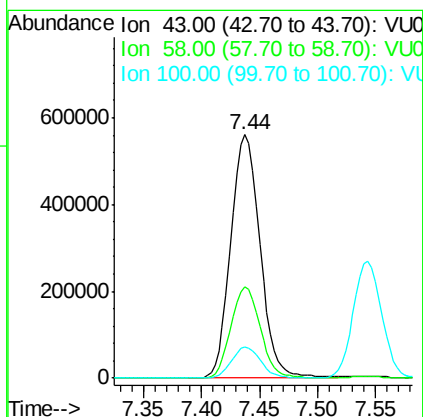
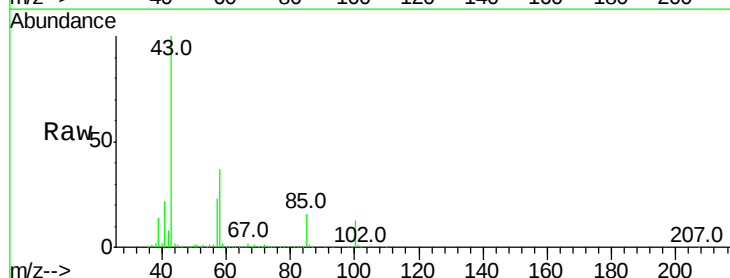
Tgt Ion: 75 Resp: 417945
 Ion Ratio Lower Upper
 75 100
 77 31.9 22.3 41.3

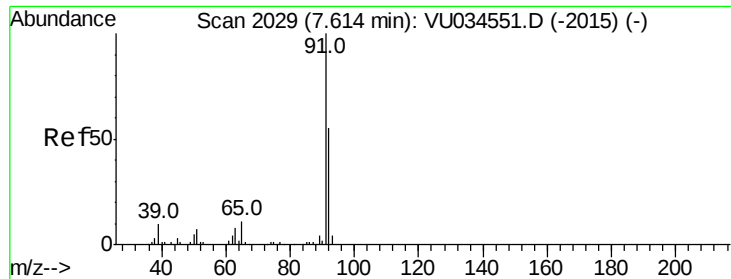


#40

4-Methyl-2-pentanone
 Concen: 241.406 ug/L
 RT: 7.44 min Scan# 1974
 Delta R.T. 0.00 min
 Lab File: VU034552.D
 Acq: 16 Sep 2019 12:12

Tgt Ion: 43 Resp: 980127
 Ion Ratio Lower Upper
 43 100
 58 37.8 30.4 45.6
 100 12.9 10.2 15.4





#42

Toluene

Concen: 91.422 ug/L

RT: 7.61 min Scan# 2029

Delta R.T. 0.00 min

Lab File: VU034552.D

Acq: 16 Sep 2019 12:12

Instrument :

MSVOA_U

ClientSampleId :

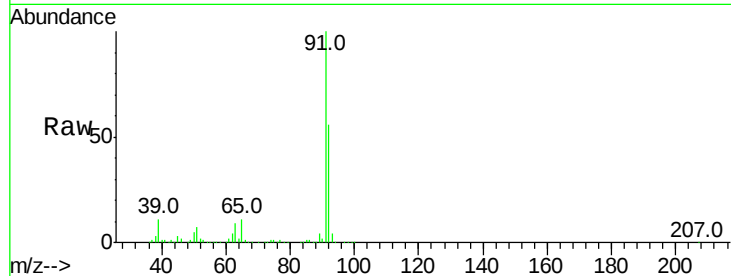
VSTD10033

Tgt Ion: 91 Resp: 980245

Ion Ratio Lower Upper

91 100

92 56.0 38.4 71.4



Abundance Ion 91.00 (90.70 to 91.70): VU034552.D (-1936) (-)

Ion 92.00 (91.70 to 92.70): VU034552.D (-1936) (-)

7.61

600000

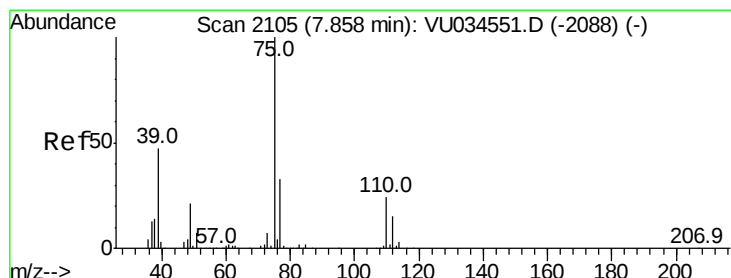
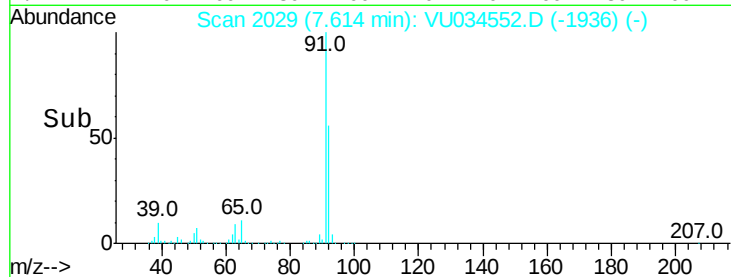
400000

200000

0

7.50 7.60 7.70

Time-->



#44

trans-1,3-Dichloropropene

Concen: 103.202 ug/L

RT: 7.86 min Scan# 2105

Delta R.T. 0.00 min

Lab File: VU034552.D

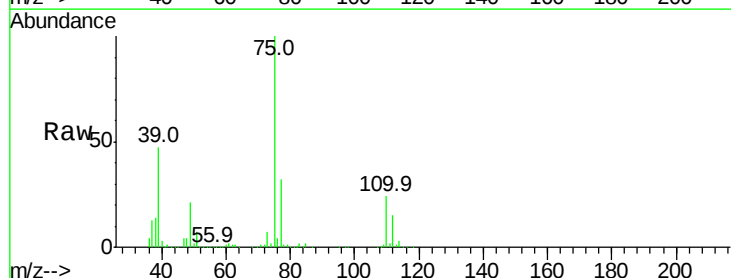
Acq: 16 Sep 2019 12:12

Tgt Ion: 75 Resp: 391846

Ion Ratio Lower Upper

75 100

77 31.6 22.9 42.5



Abundance Ion 75.00 (74.70 to 75.70): VU034552.D (-2012) (-)

Ion 77.00 (76.70 to 77.70): VU034552.D (-2012) (-)

7.86

250000

200000

150000

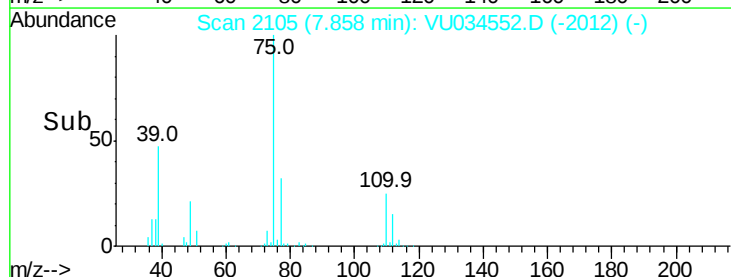
100000

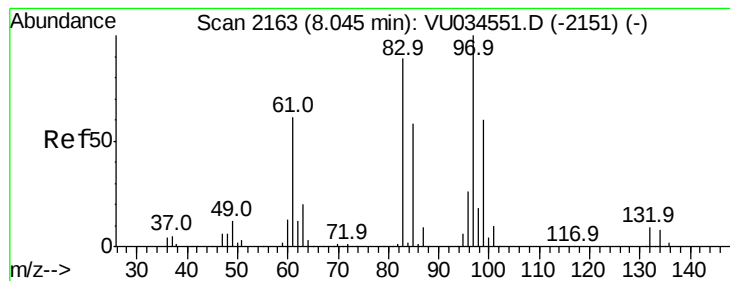
50000

0

7.80 7.90 8.00

Time-->





#45

1,1,2-Trichloroethane

Concen: 96.365 ug/L

RT: 8.04 min Scan# 2162

Delta R.T. -0.00 min

Lab File: VU034552.D

Acq: 16 Sep 2019 12:12

Instrument :

MSVOA_U

ClientSampleId :

VSTD10033

Tgt Ion: 97 Resp: 250637

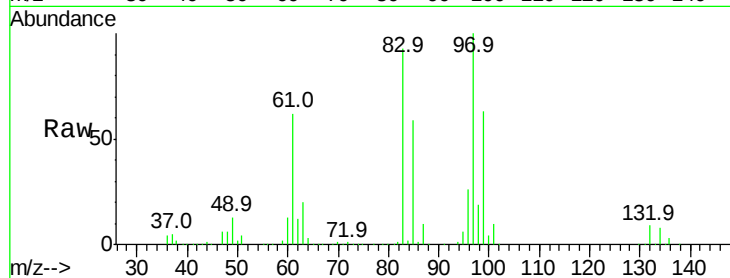
Ion Ratio Lower Upper

97 100

99 62.7 42.4 78.8

83 93.3 62.5 116.1

85 59.4 40.7 75.7

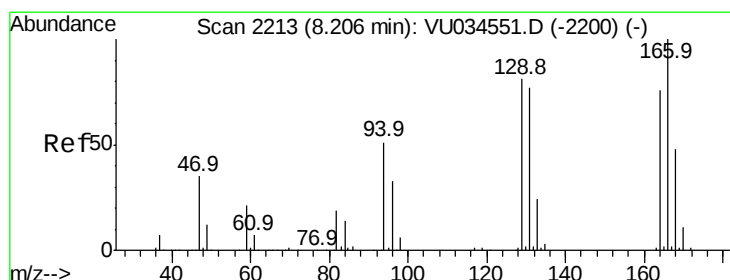
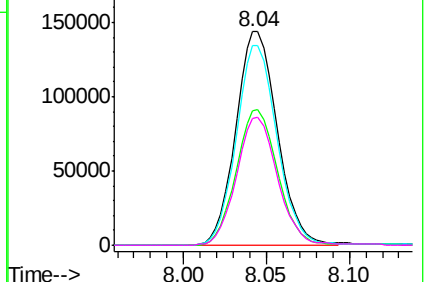
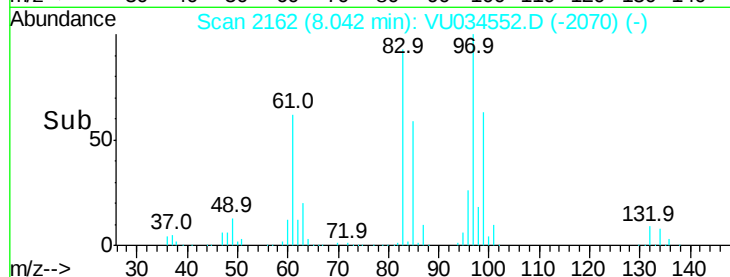


Abundance Ion 97.00 (96.70 to 97.70): VU0

Ion 99.00 (98.70 to 99.70): VU0

Ion 83.00 (82.70 to 83.70): VU0

Ion 85.00 (84.70 to 85.70): VU0



#46

Tetrachloroethene

Concen: 70.980 ug/L

RT: 8.21 min Scan# 2213

Delta R.T. 0.00 min

Lab File: VU034552.D

Acq: 16 Sep 2019 12:12

Tgt Ion: 164 Resp: 148306

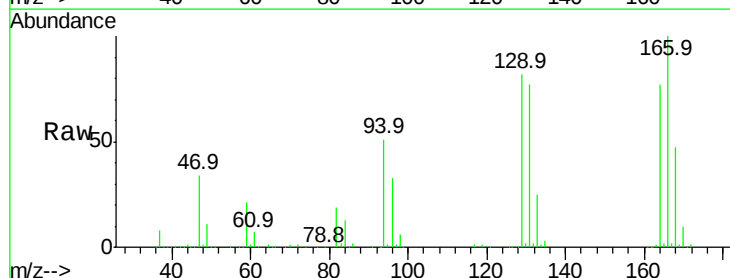
Ion Ratio Lower Upper

164 100

129 106.4 74.5 138.3

131 99.9 70.4 130.8

166 129.8 91.7 170.3

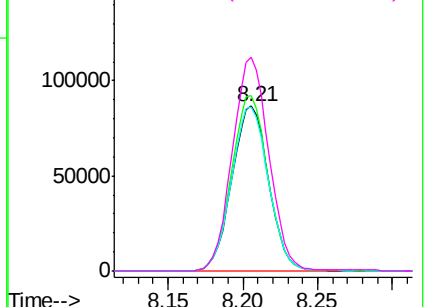
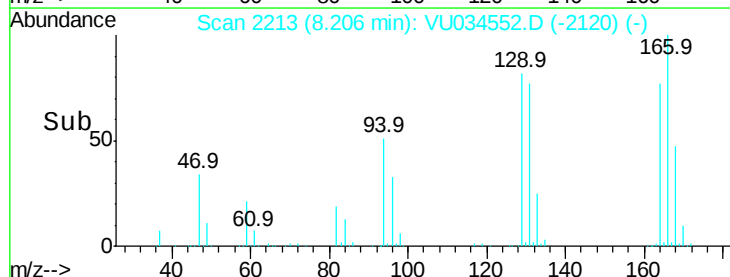


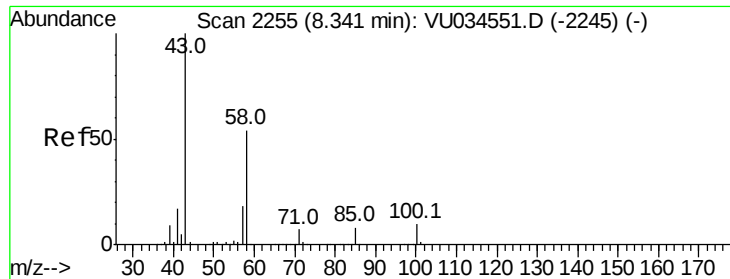
Abundance Ion 164.00 (163.70 to 164.70): V

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

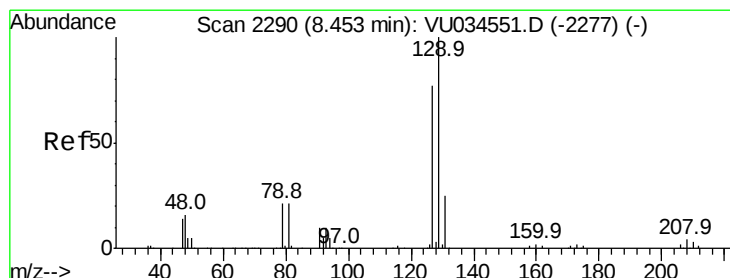
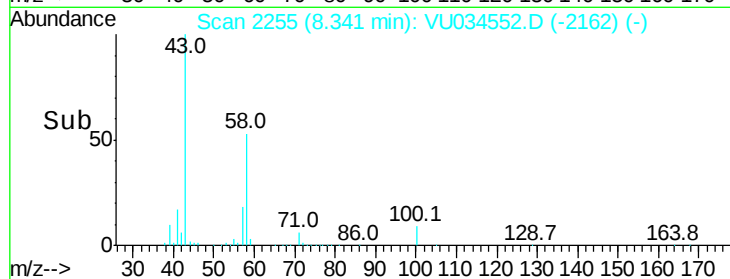
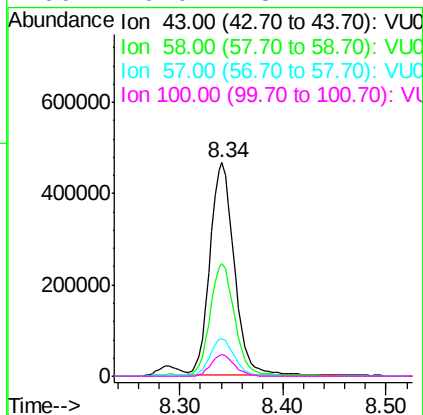
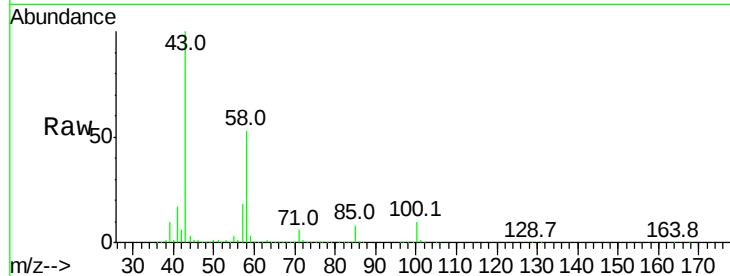




#48
2-Hexanone
Concen: 242.407 ug/L
RT: 8.34 min Scan# 2255
Delta R.T. 0.00 min
Lab File: VU034552.D
Acq: 16 Sep 2019 12:12

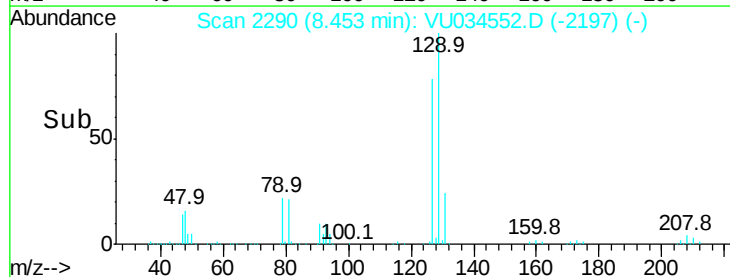
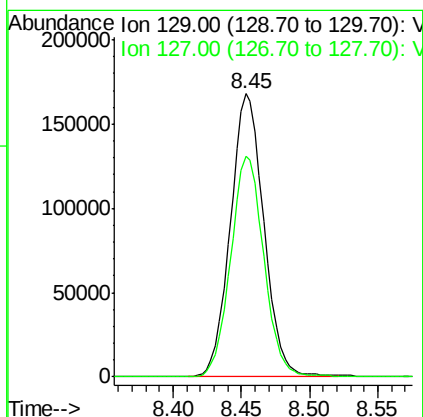
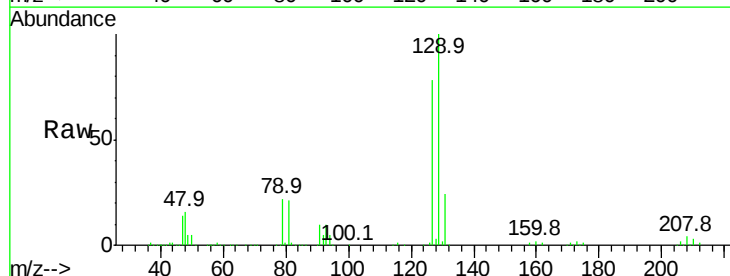
Instrument :
MSVOA_U
ClientSampleId :
VSTD10033

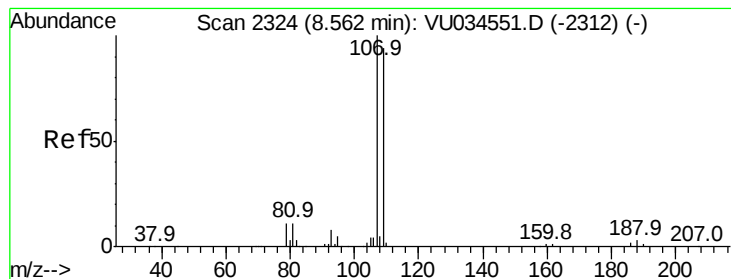
Tgt Ion:	43	Resp:	764223
Ion	Ratio	Lower	Upper
43	100		
58	52.3	43.3	64.9
57	17.7	13.1	19.7
100	10.0	8.2	12.4



#49
Dibromochloromethane
Concen: 99.219 ug/L
RT: 8.45 min Scan# 2290
Delta R.T. 0.00 min
Lab File: VU034552.D
Acq: 16 Sep 2019 12:12

Tgt Ion:	129	Resp:	286275
Ion	Ratio	Lower	Upper
129	100		
127	78.0	53.5	99.5





#50

1,2-Dibromoethane

Concen: 94.374 ug/L

RT: 8.56 min Scan# 2324

Delta R.T. 0.00 min

Lab File: VU034552.D

Acq: 16 Sep 2019 12:12

Instrument :

MSVOA_U

ClientSampleId :

VSTD10033

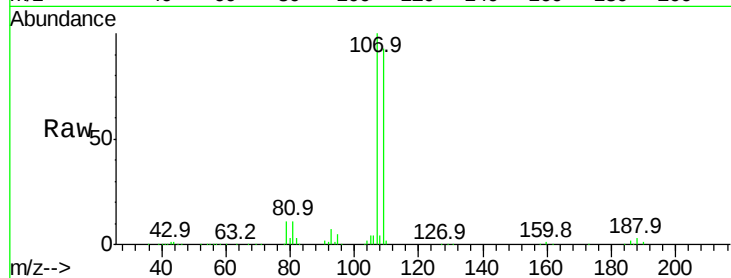
Tgt Ion:107 Resp: 261758

Ion Ratio Lower Upper

107 100

109 93.5 65.9 122.3

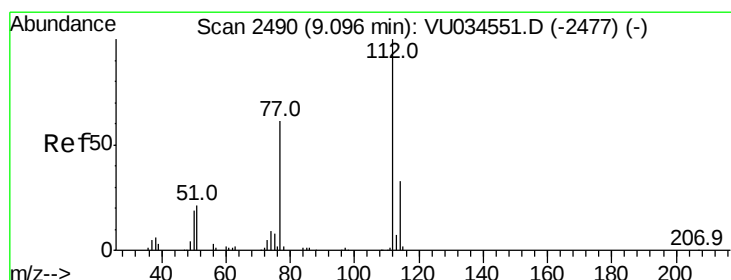
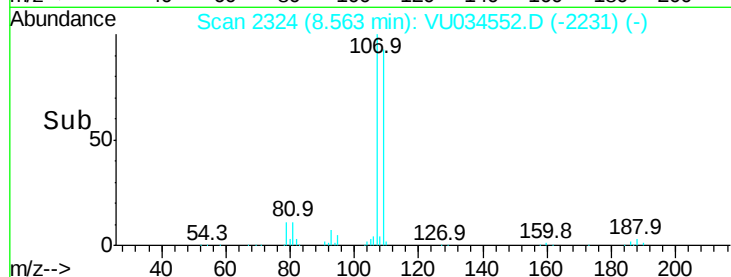
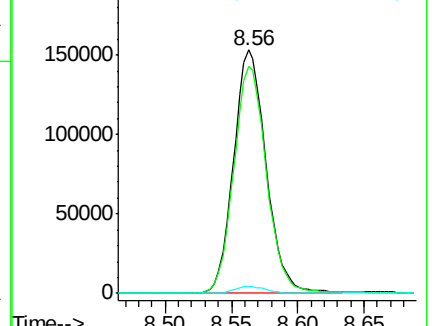
188 2.8 2.6 3.8



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



#51

Chlorobenzene

Concen: 89.434 ug/L

RT: 9.10 min Scan# 2490

Delta R.T. 0.00 min

Lab File: VU034552.D

Acq: 16 Sep 2019 12:12

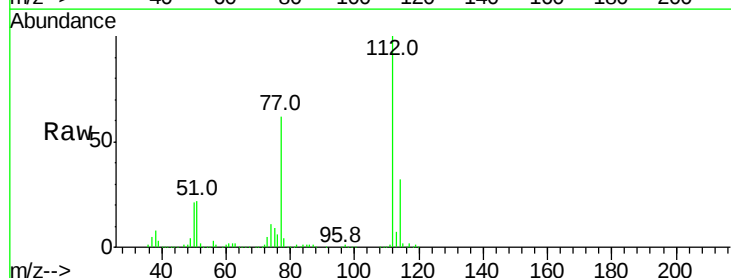
Tgt Ion:112 Resp: 634211

Ion Ratio Lower Upper

112 100

114 32.0 23.0 42.8

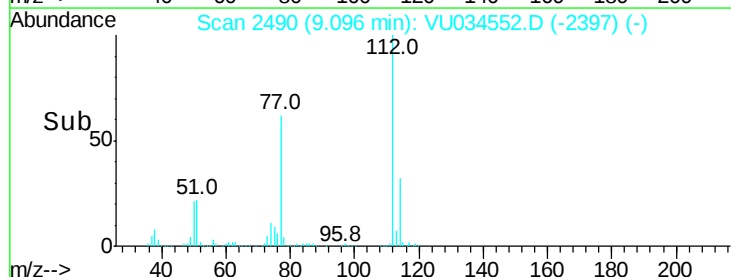
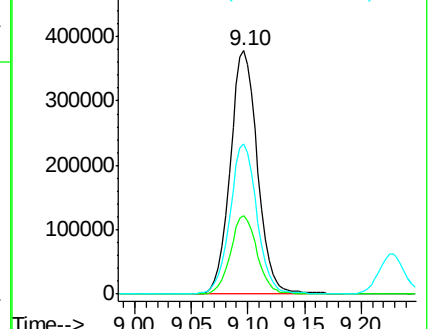
77 61.8 49.0 73.6

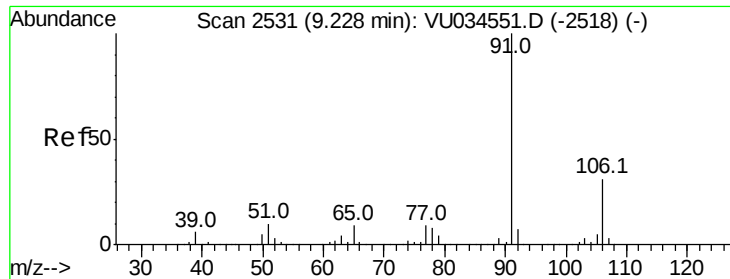


Abundance Ion 112.00 (111.70 to 112.70): V

Ion 114.00 (113.70 to 114.70): V

Ion 77.00 (76.70 to 77.70): VU





#52

Ethylbenzene

Concen: 96.822 ug/L

RT: 9.23 min Scan# 2531

Delta R.T. 0.00 min

Lab File: VU034552.D

Acq: 16 Sep 2019 12:12

Instrument :

MSVOA_U

ClientSampleId :

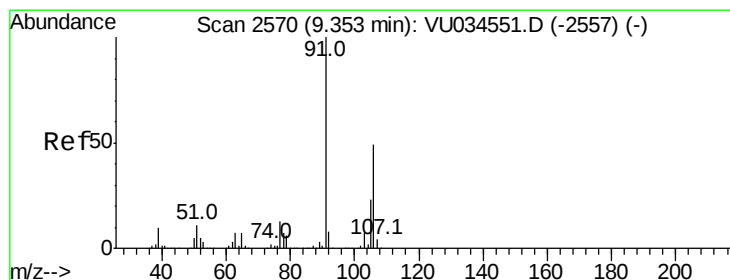
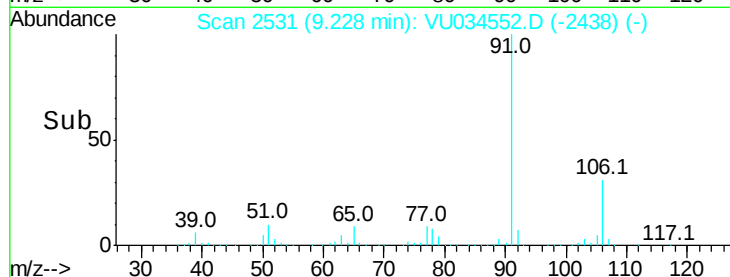
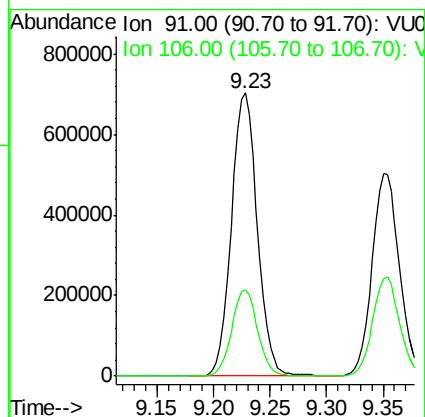
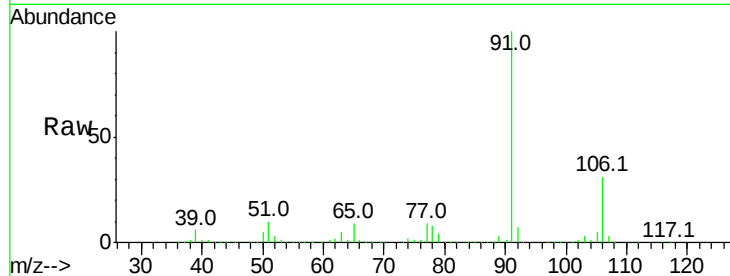
VSTD10033

Tgt Ion: 91 Resp: 1121334

Ion Ratio Lower Upper

91 100

106 30.5 21.4 39.8



#53

m,p-Xylene

Concen: 95.489 ug/L

RT: 9.35 min Scan# 2570

Delta R.T. 0.00 min

Lab File: VU034552.D

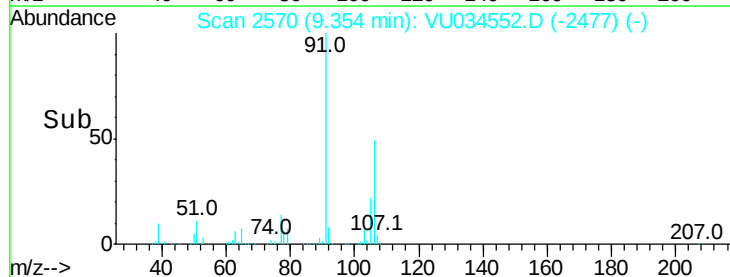
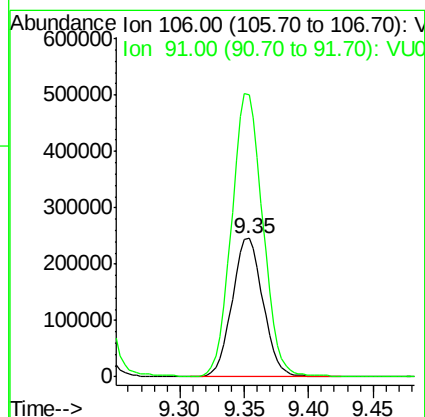
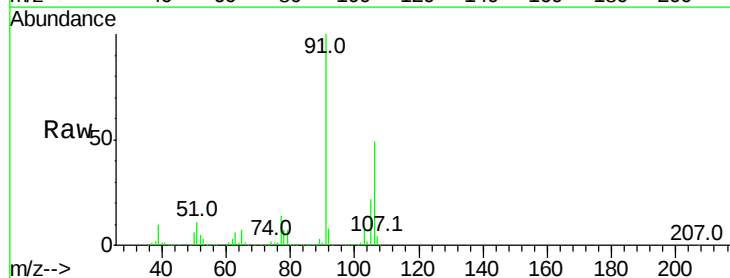
Acq: 16 Sep 2019 12:12

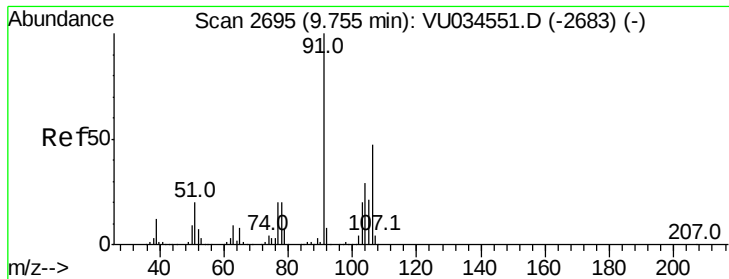
Tgt Ion: 106 Resp: 407529

Ion Ratio Lower Upper

106 100

91 203.6 142.6 264.8

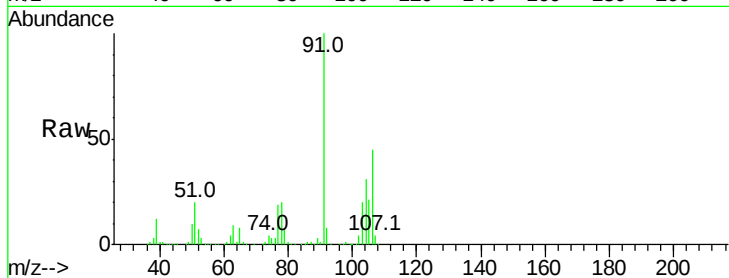




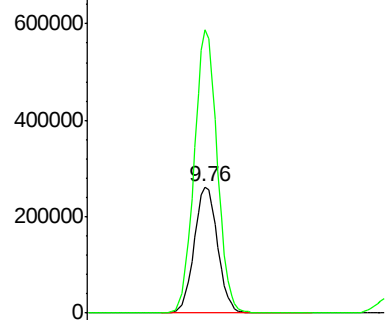
#54
o-xylene
Concen: 98.463 ug/L
RT: 9.76 min Scan# 2695
Delta R.T. 0.00 min
Lab File: VU034552.D
Acq: 16 Sep 2019 12:12

Instrument :
MSVOA_U
ClientSampleId :
VSTD10033

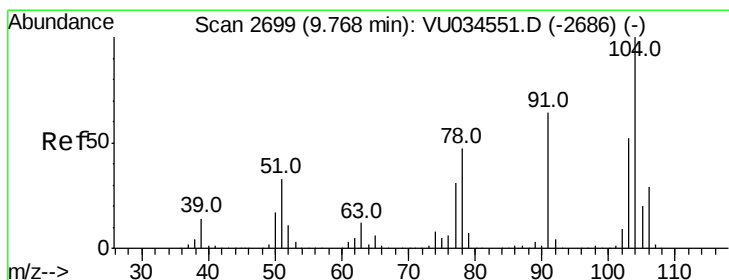
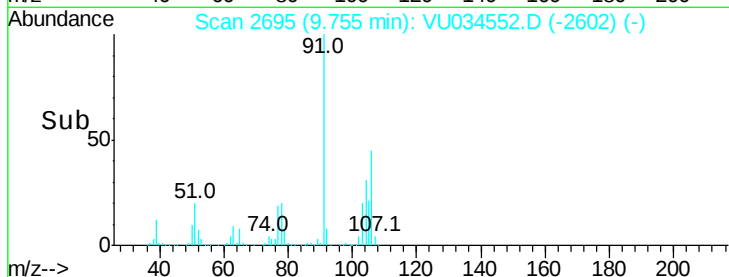
Tgt Ion:106 Resp: 414221
Ion Ratio Lower Upper
106 100
91 224.3 149.4 277.5



Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VU0

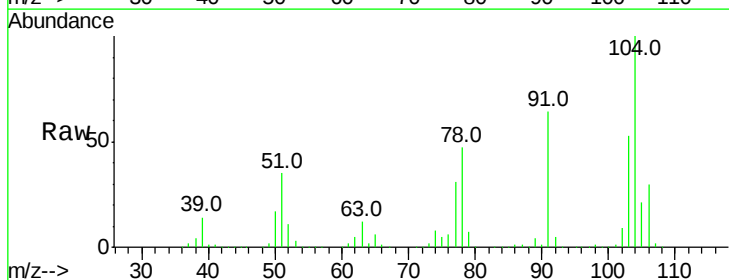


Time-->

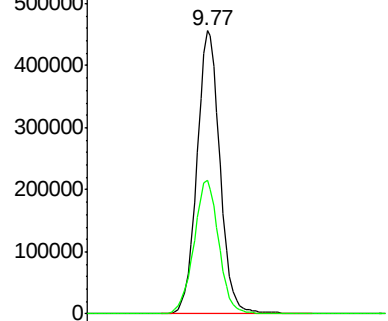


#55
Styrene
Concen: 101.882 ug/L
RT: 9.77 min Scan# 2699
Delta R.T. 0.00 min
Lab File: VU034552.D
Acq: 16 Sep 2019 12:12

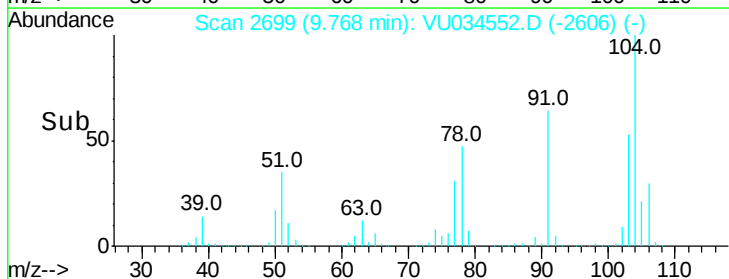
Tgt Ion:104 Resp: 729796
Ion Ratio Lower Upper
104 100
78 47.1 32.8 61.0

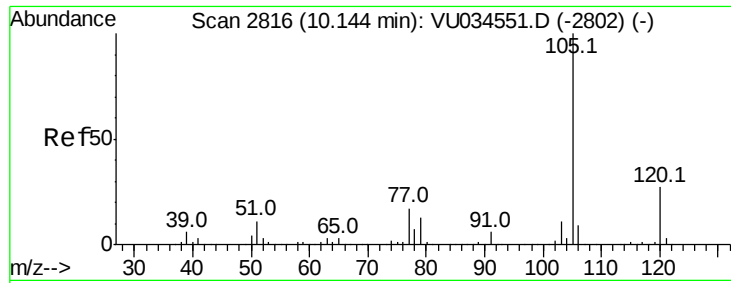


Abundance Ion 104.00 (103.70 to 104.70): V
Ion 78.00 (77.70 to 78.70): VU0



Time-->





#56

Isopropylbenzene

Concen: 101.355 ug/L

RT: 10.14 min Scan# 2816

Delta R.T. 0.00 min

Lab File: VU034552.D

Acq: 16 Sep 2019 12:12

Instrument :

MSVOA_U

ClientSampleId :

VSTD10033

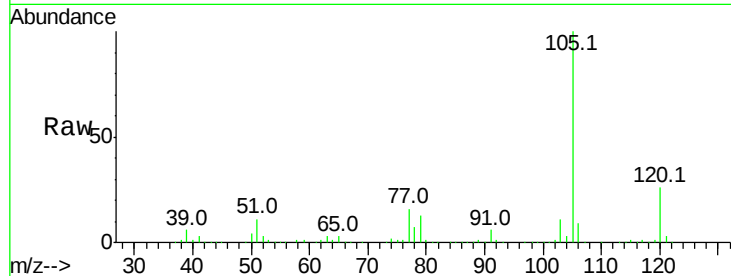
Tgt Ion:105 Resp: 1107988

Ion Ratio Lower Upper

105 100

120 26.2 21.2 31.8

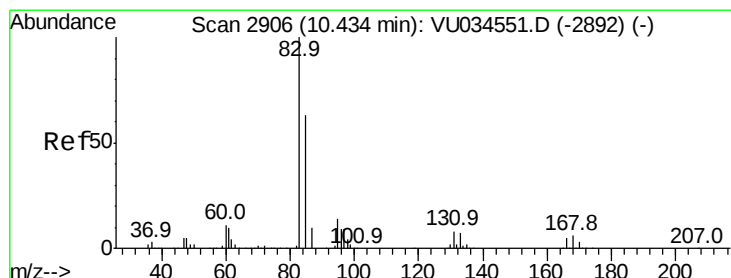
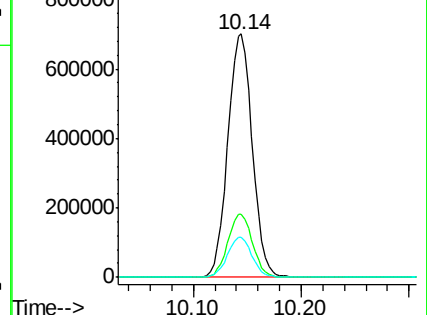
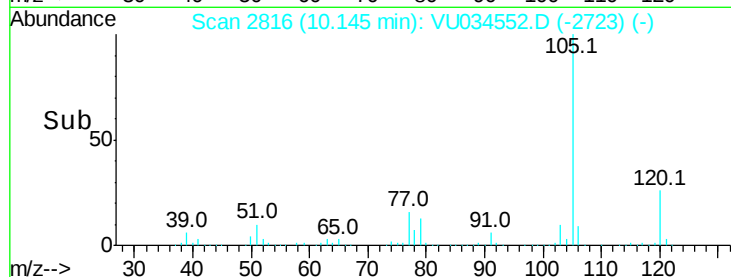
77 16.4 13.5 20.3



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

Ion 77.00 (76.70 to 77.70): V



#58

1,1,2,2-Tetrachloroethane

Concen: 111.566 ug/L

RT: 10.43 min Scan# 2906

Delta R.T. 0.00 min

Lab File: VU034552.D

Acq: 16 Sep 2019 12:12

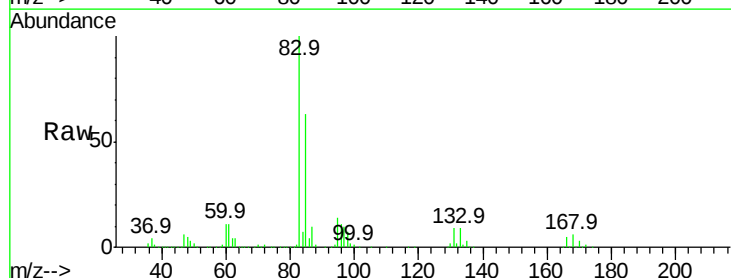
Tgt Ion: 83 Resp: 502931

Ion Ratio Lower Upper

83 100

85 63.0 44.5 82.7

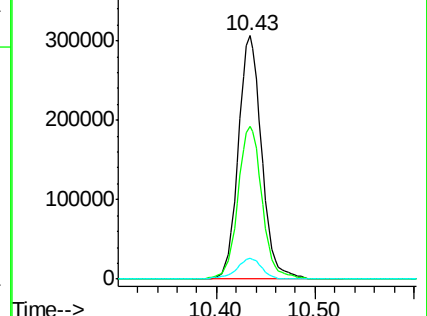
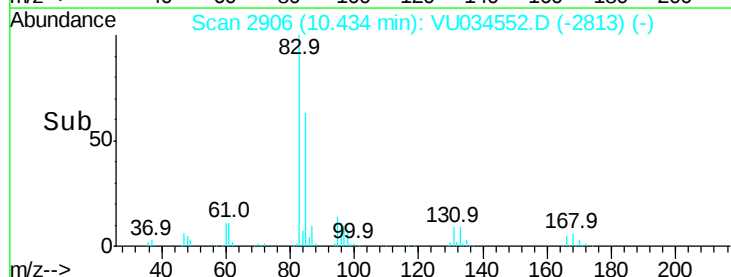
131 8.5 6.8 10.2

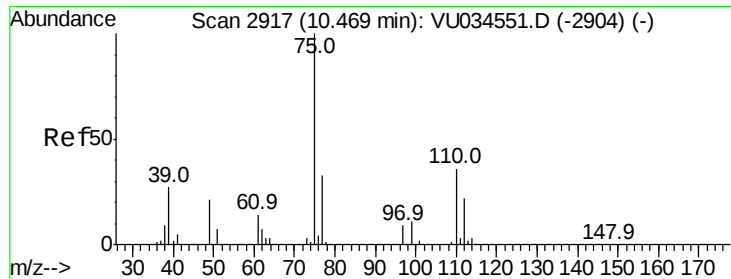


Abundance Ion 83.00 (82.70 to 83.70): V

Ion 85.00 (84.70 to 85.70): V

Ion 131.00 (130.70 to 131.70): V

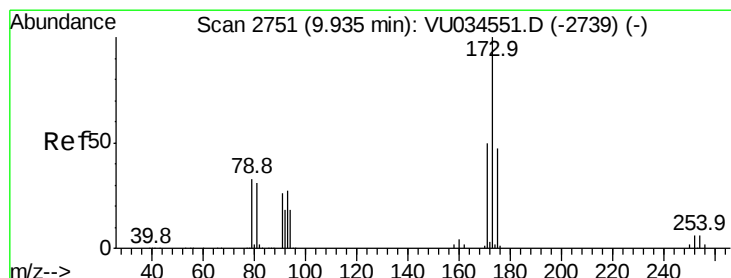
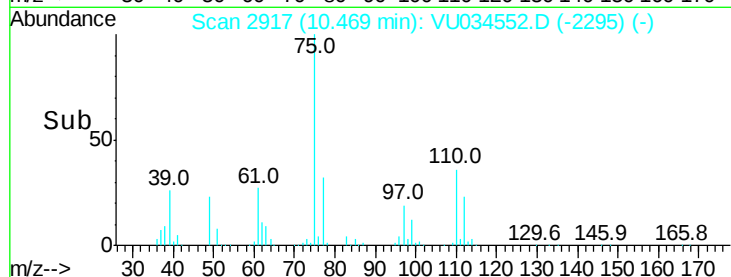
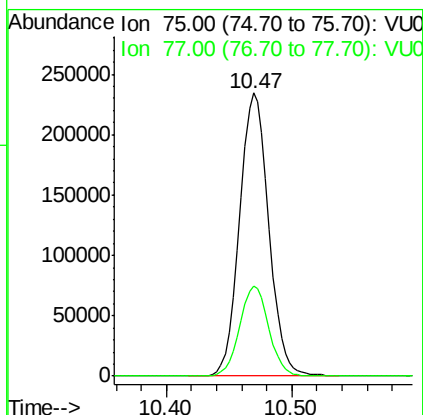
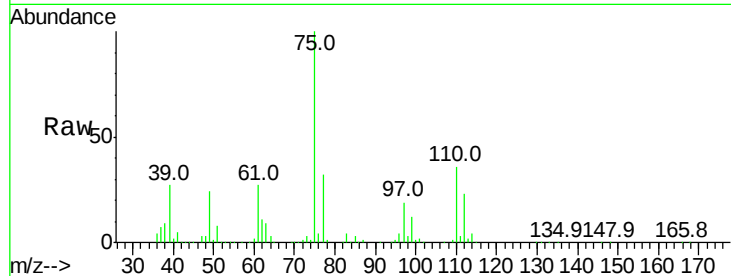




#59
 1,2,3-Trichloropropane
 Concen: 104.662 ug/L
 RT: 10.47 min Scan# 2917
 Delta R.T. 0.00 min
 Lab File: VU034552.D
 Acq: 16 Sep 2019 12:12

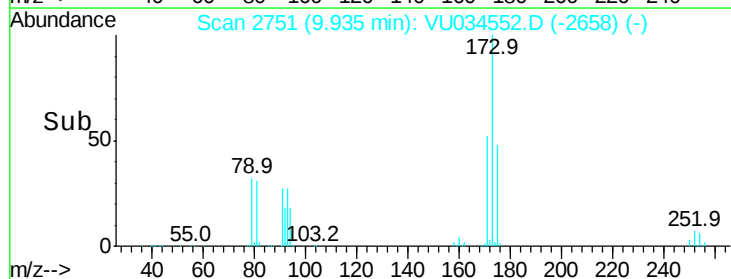
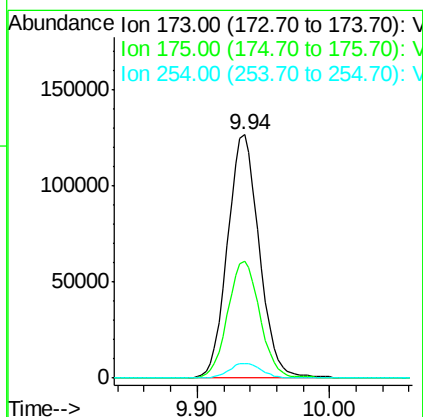
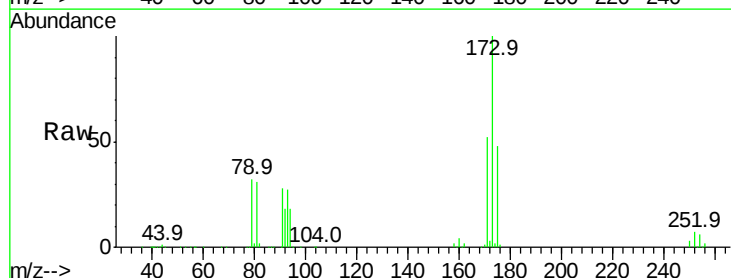
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD10033

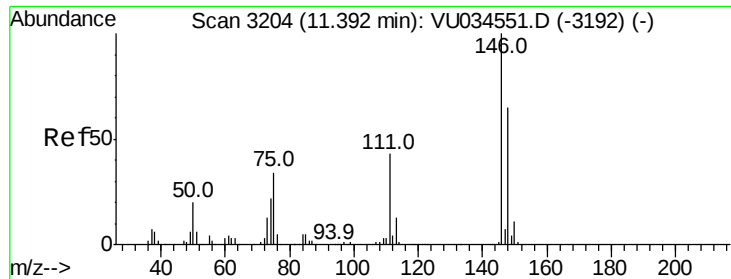
Tgt Ion: 75 Resp: 379176
 Ion Ratio Lower Upper
 75 100
 77 31.7 26.1 39.1



#61
 Bromoform
 Concen: 101.285 ug/L
 RT: 9.94 min Scan# 2751
 Delta R.T. 0.00 min
 Lab File: VU034552.D
 Acq: 16 Sep 2019 12:12

Tgt Ion: 173 Resp: 211136
 Ion Ratio Lower Upper
 173 100
 175 48.6 37.6 56.4
 254 6.1 4.6 7.0





#62

1,3-Dichlorobenzene

Concen: 94.775 ug/L

RT: 11.39 min Scan# 3204

Delta R.T. 0.00 min

Lab File: VU034552.D

Acq: 16 Sep 2019 12:12

Instrument :

MSVOA_U

ClientSampleId :

VSTD10033

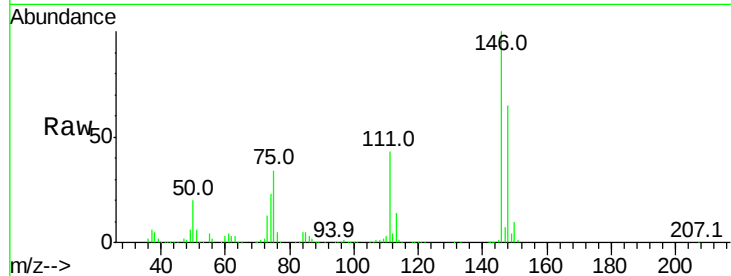
Tgt Ion:146 Resp: 491958

Ion Ratio Lower Upper

146 100

111 43.3 30.2 56.0

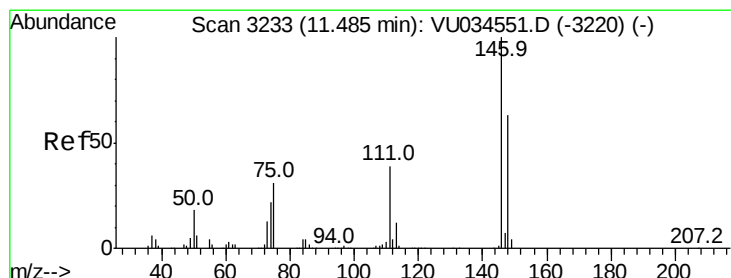
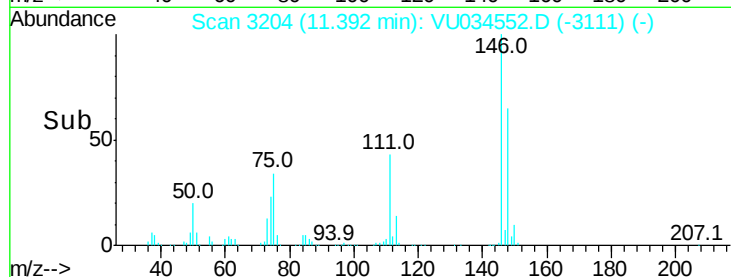
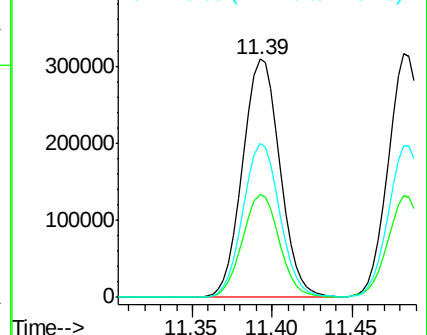
148 64.8 45.5 84.5



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: 92.371 ug/L

RT: 11.48 min Scan# 3232

Delta R.T. -0.00 min

Lab File: VU034552.D

Acq: 16 Sep 2019 12:12

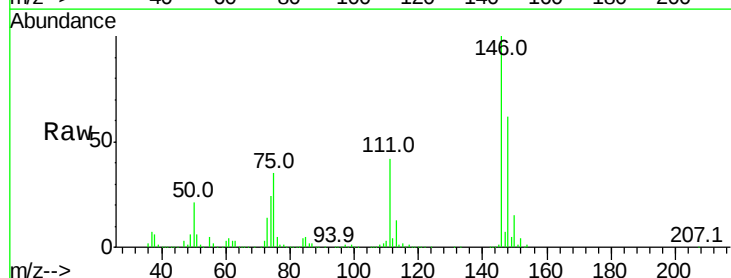
Tgt Ion:146 Resp: 496832

Ion Ratio Lower Upper

146 100

111 41.6 27.6 51.2

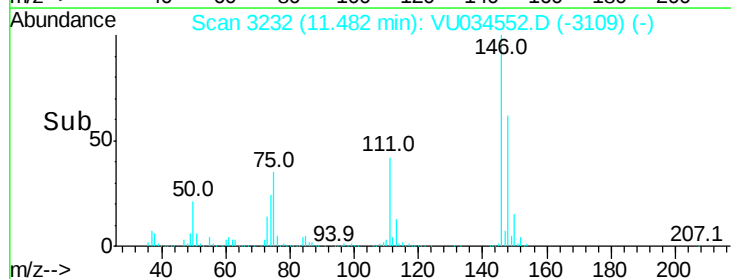
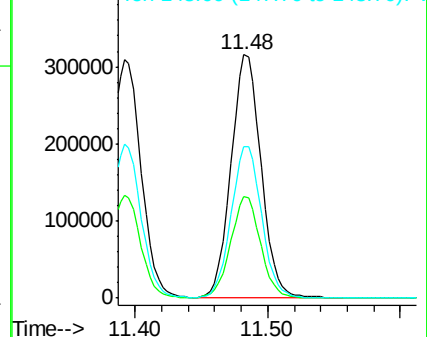
148 62.1 44.0 81.6

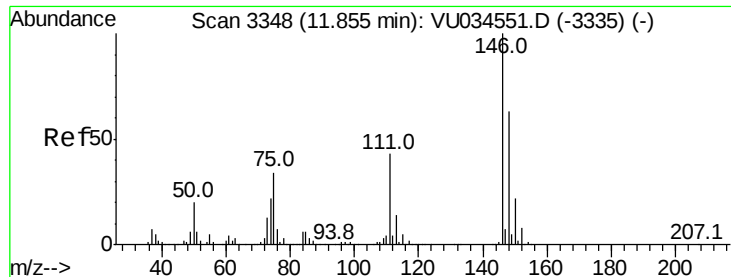


Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V





#65

1,2-Dichlorobenzene

Concen: 96.046 ug/L

RT: 11.86 min Scan# 3348

Delta R.T. 0.00 min

Lab File: VU034552.D

Acq: 16 Sep 2019 12:12

Instrument :

MSVOA_U

ClientSampleId :

VSTD10033

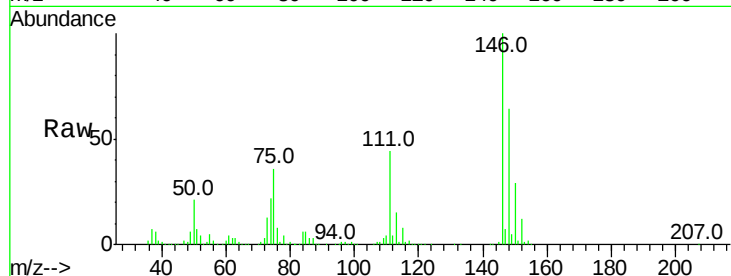
Tgt Ion:146 Resp: 497395

Ion Ratio Lower Upper

146 100

111 43.8 34.5 51.7

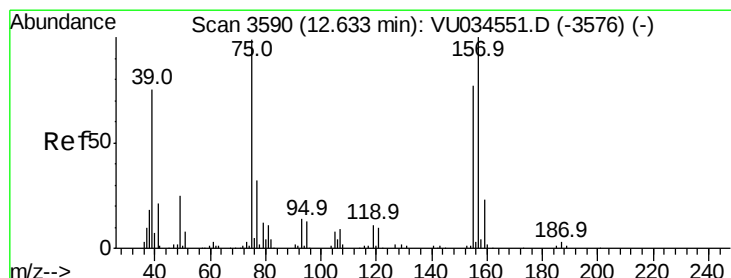
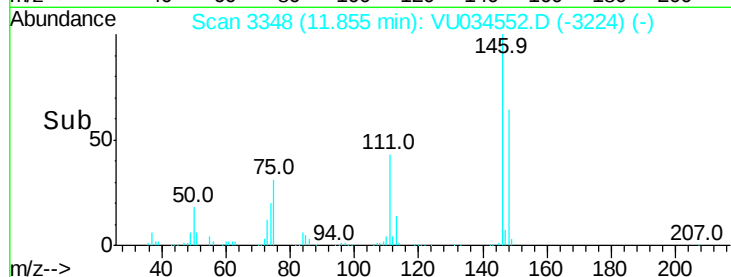
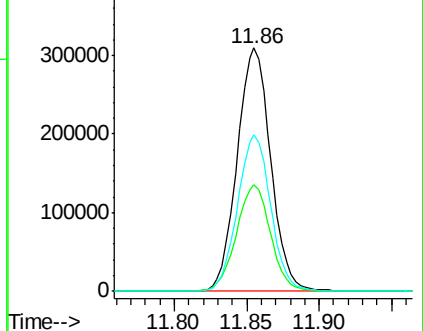
148 64.1 50.7 76.1



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



#66

1,2-Dibromo-3-chloropropane

Concen: 120.026 ug/L

RT: 12.63 min Scan# 3590

Delta R.T. 0.00 min

Lab File: VU034552.D

Acq: 16 Sep 2019 12:12

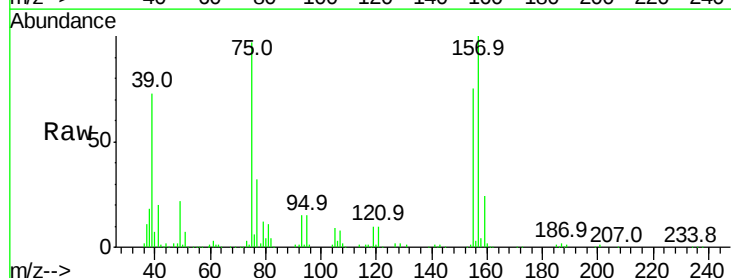
Tgt Ion: 75 Resp: 113997

Ion Ratio Lower Upper

75 100

155 77.0 61.8 92.6

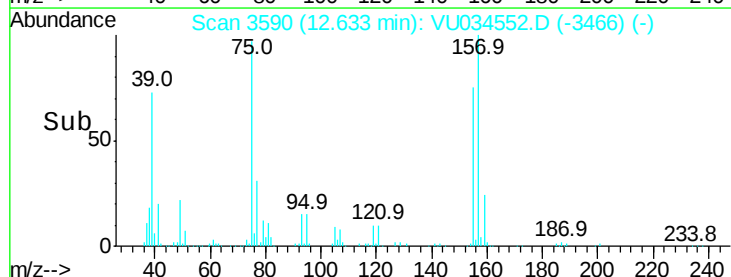
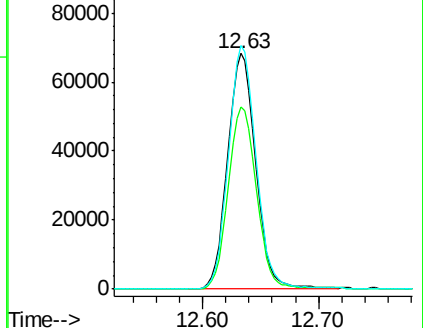
157 103.3 80.5 120.7

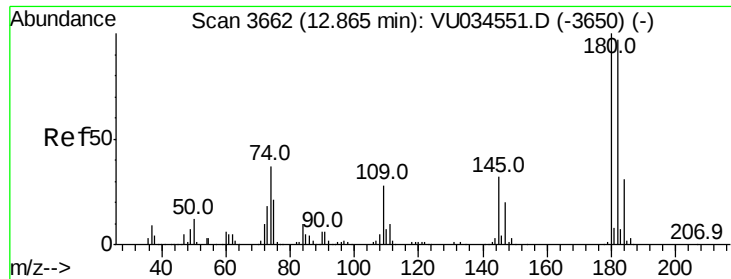


Abundance Ion 75.00 (74.70 to 75.70): V

Ion 155.00 (154.70 to 155.70): V

Ion 157.00 (156.70 to 157.70): V

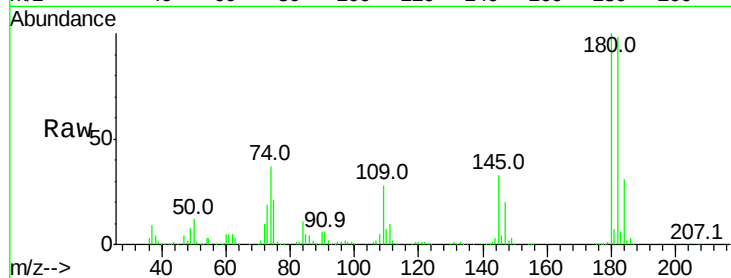




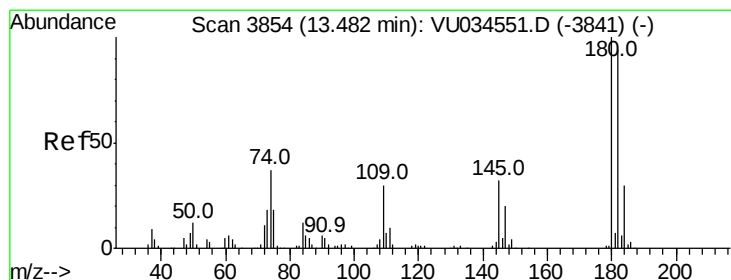
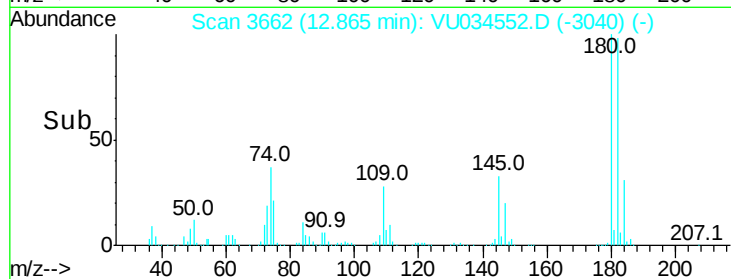
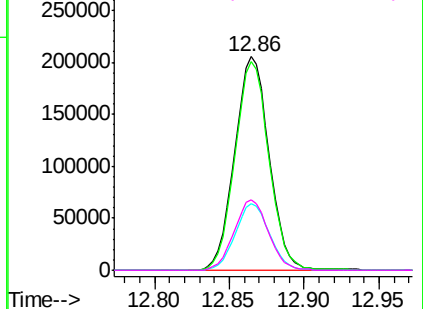
#67
 1,3,5-Trichlorobenzene
 Concen: 82.459 ug/L
 RT: 12.86 min Scan# 3662
 Delta R.T. 0.00 min
 Lab File: VU034552.D
 Acq: 16 Sep 2019 12:12

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD10033

Tgt Ion:	180	Resp:	329005
Ion	Ratio	Lower	Upper
180	100		
182	96.5	77.9	116.9
184	31.1	24.2	36.4
145	33.0	25.8	38.6

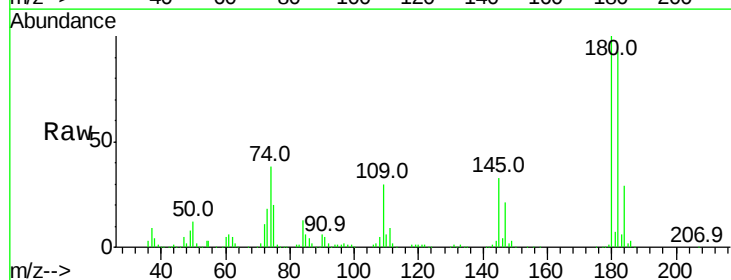


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V
 Ion 145.00 (144.70 to 145.70): V

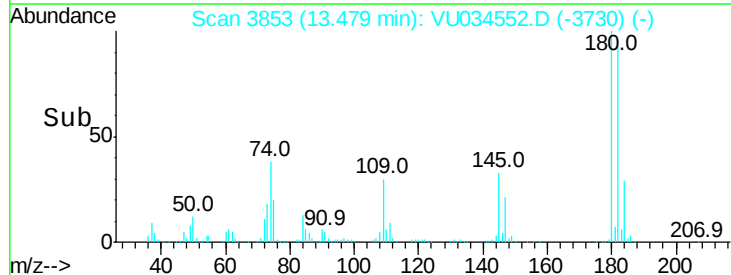
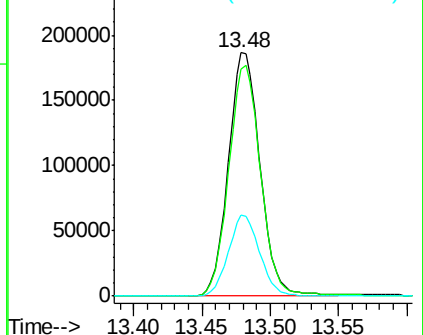


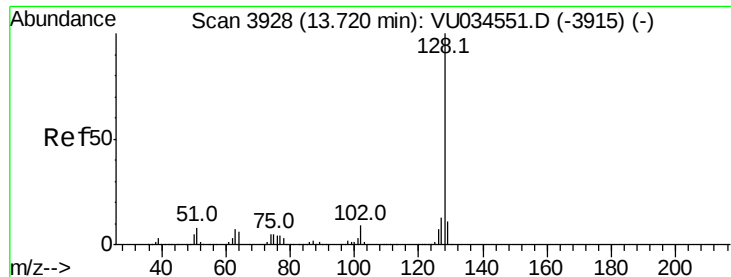
#68
 1,2,4-trichlorobenzene
 Concen: 91.979 ug/L
 RT: 13.48 min Scan# 3853
 Delta R.T. -0.00 min
 Lab File: VU034552.D
 Acq: 16 Sep 2019 12:12

Tgt Ion:	180	Resp:	300911
Ion	Ratio	Lower	Upper
180	100		
182	95.9	75.7	113.5
145	32.9	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: 119.326 ug/L

RT: 13.72 min Scan# 3928

Delta R.T. 0.00 min

Lab File: VU034552.D

Acq: 16 Sep 2019 12:12

Instrument :

MSVOA_U

ClientSampleId :

VSTD10033

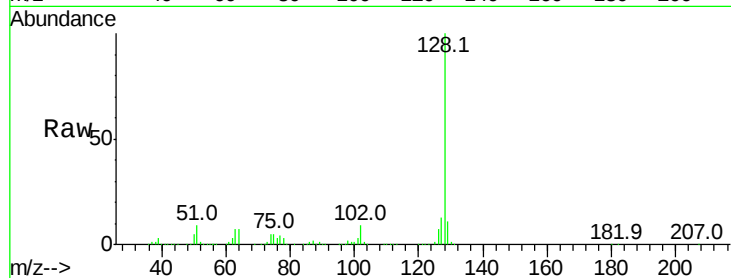
Tgt Ion:128 Resp: 1165562

Ion Ratio Lower Upper

128 100

127 12.7 10.0 15.0

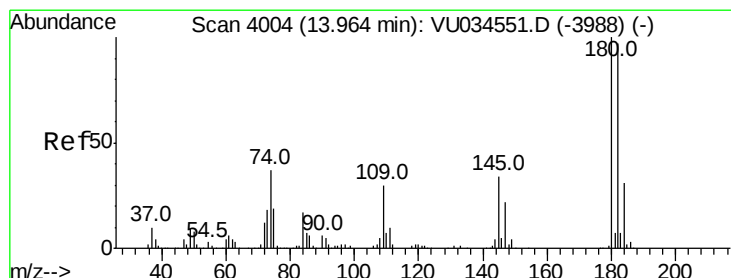
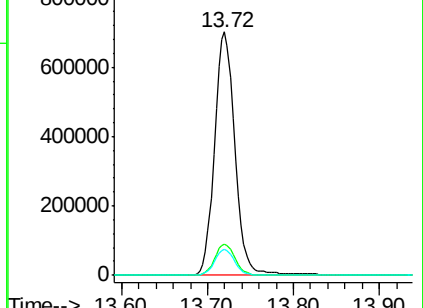
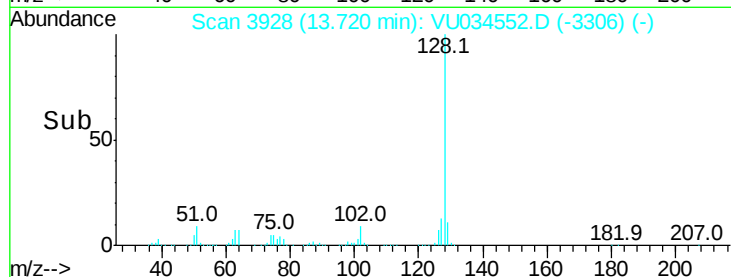
129 10.5 8.6 12.8



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: 86.934 ug/L

RT: 13.96 min Scan# 4004

Delta R.T. 0.00 min

Lab File: VU034552.D

Acq: 16 Sep 2019 12:12

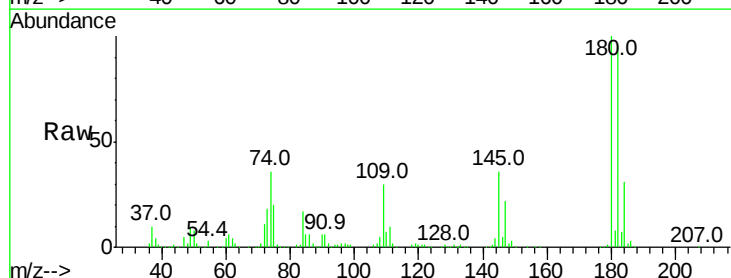
Tgt Ion:180 Resp: 300563

Ion Ratio Lower Upper

180 100

182 94.9 77.1 115.7

145 35.2 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

