

Data File : VU032371.D
Acq On : 30 May 2019 11:04
Operator : JC/SP
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
VSTD05054

Quant Time: May 31 04:34:45 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM052819WMA.M
Quant Title : VOC Analysis
QLast Update : Wed May 29 05:19:36 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.88	114	749490	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.09	117	767074	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.48	152	392450	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.40	65	246319	44.59	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	89.18%
7) Chloroethane-d5	1.66	69	202625	45.42	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	90.84%
11) 1,1-Dichloroethene-d2	2.27	63	455985	46.46	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	92.92%
21) 2-Butanone-d5	4.17	46	337204	92.75	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	92.75%
24) Chloroform-d	4.64	84	466000	48.20	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	96.40%
26) 1,2-Dichloroethane-d4	5.30	65	276151	48.26	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	96.52%
32) Benzene-d6	5.33	84	954046	47.42	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	94.84%
36) 1,2-Dichloropropane-d6	6.32	67	286170	45.82	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	91.64%
41) Toluene-d8	7.56	98	909009	48.42	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	96.84%
43) trans-1,3-Dichloropropene-	7.85	79	134778	47.13	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	94.26%
47) 2-Hexanone-d5	8.31	63	246139	93.94	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	93.94%
57) 1,1,2,2-Tetrachloroethane-	10.43	84	455001	47.68	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	95.36%
64) 1,2-Dichlorobenzene-d4	11.85	152	373199	46.64	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	93.28%

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.20	85	294133	50.581	ug/L	99
3) Chloromethane	1.32	50	282418	45.831	ug/L	98
5) Vinyl chloride	1.40	62	302937	48.204	ug/L	97
6) Bromomethane	1.60	94	171962	42.788	ug/L	96
8) Chloroethane	1.68	64	182626	48.049	ug/L	100
9) Trichlorofluoromethane	1.88	101	405391	51.432	ug/L	100
10) 1,1,2-Trichloro-1,2,2-trif	2.28	101	249011	52.347	ug/L	99
12) 1,1-Dichloroethene	2.28	96	243851	50.264	ug/L	97
13) Acetone	2.32	43	335670	97.966	ug/L	97
14) Carbon disulfide	2.47	76	700158	48.097	ug/L	99
15) Methyl Acetate	2.61	43	251788	45.983	ug/L	98
16) Methylene chloride	2.69	84	276975	48.978	ug/L	99
17) trans-1,2-Dichloroethene	2.98	96	252129	50.447	ug/L	92
18) Methyl tert-butyl Ether	2.99	73	766368	50.646	ug/L	100
19) 1,1-Dichloroethane	3.44	63	446788	49.216	ug/L	97
20) cis-1,2-Dichloroethene	4.22	96	284343	50.756	ug/L	97
22) 2-Butanone	4.26	43	402682	97.582	ug/L	100

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.54	128	149183	50.469	ug/L	95
25) Chloroform	4.67	83	474387	50.239	ug/L	100
27) 1,2-Dichloroethane	5.40	62	351655	50.033	ug/L	97
29) Cyclohexane	4.99	56	389254	49.687	ug/L	99
30) 1,1,1-Trichloroethane	4.91	97	392656	48.868	ug/L	99
31) Carbon tetrachloride	5.13	117	344957	50.136	ug/L	99
33) Benzene	5.38	78	1052200	49.016	ug/L	100
34) Trichloroethene	6.18	95	276744	49.899	ug/L	98
35) Methylcyclohexane	6.41	83	434329	51.543	ug/L	99
37) 1,2-Dichloropropane	6.43	63	265706	47.390	ug/L	98
38) Bromodichloromethane	6.75	83	353134	49.010	ug/L	99
39) cis-1,3-Dichloropropene	7.26	75	409283	49.389	ug/L	98
40) 4-Methyl-2-pentanone	7.46	43	696821	95.281	ug/L	98
42) Toluene	7.63	91	1183948	50.659	ug/L	99
44) trans-1,3-Dichloropropene	7.87	75	366494	50.496	ug/L	99
45) 1,1,2-Trichloroethane	8.06	97	273725	49.930	ug/L	97
46) Tetrachloroethene	8.22	164	230435	51.144	ug/L	99
48) 2-Hexanone	8.36	43	569020	95.374	ug/L	98
49) Dibromochloromethane	8.47	129	300167	50.553	ug/L	99
50) 1,2-Dibromoethane	8.58	107	288638	49.913	ug/L	98
51) Chlorobenzene	9.12	112	757278	50.257	ug/L	99
52) Ethylbenzene	9.24	91	1281626	51.369	ug/L	99
53) m,p-Xylene	9.37	106	514413	53.589	ug/L	100
54) o-xylene	9.77	106	503287	52.238	ug/L	98
55) Styrene	9.79	104	882892	54.624	ug/L	100
56) Isopropylbenzene	10.16	105	1288487	52.704	ug/L	99
58) 1,1,2,2-Tetrachloroethane	10.45	83	463116	48.924	ug/L	98
59) 1,2,3-Trichloropropane	10.49	75	359251	48.303	ug/L	100
61) Bromoform	9.95	173	232876	46.588	ug/L	99
62) 1,3-Dichlorobenzene	11.41	146	605022	50.325	ug/L	99
63) 1,4-Dichlorobenzene	11.50	146	621434	50.080	ug/L	98
65) 1,2-Dichlorobenzene	11.87	146	636636	50.303	ug/L	97
66) 1,2-Dibromo-3-chloropropan	12.65	75	92817	44.758	ug/L	95
67) 1,3,5-Trichlorobenzene	12.88	180	464298	51.772	ug/L	98
68) 1,2,4-trichlorobenzene	13.50	180	357075	51.813	ug/L	100
69) Naphthalene	13.74	128	1086145	52.643	ug/L	99
70) 1,2,3-Trichlorobenzene	13.98	180	404727	54.297	ug/L	98

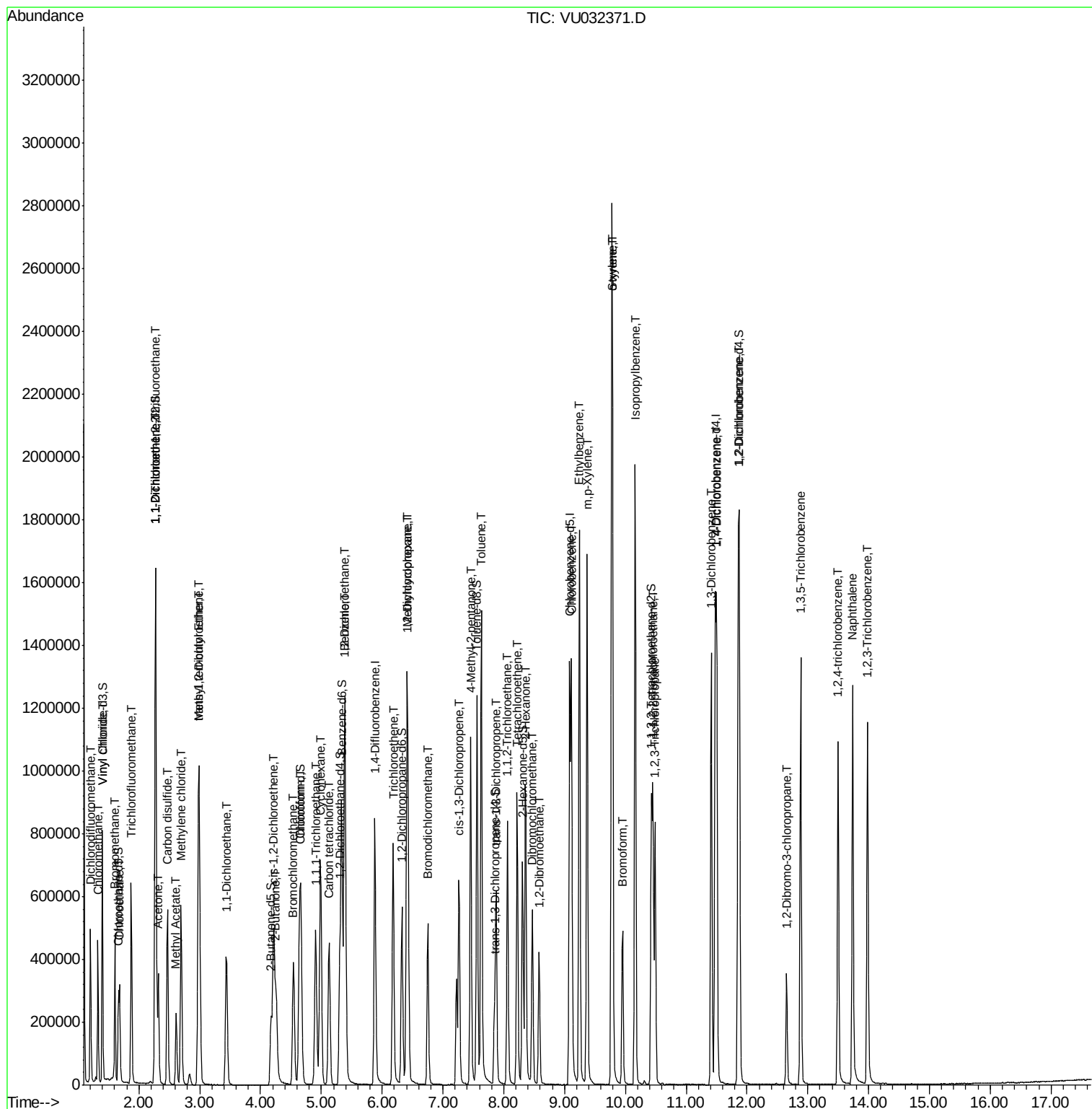
(#) = qualifier out of range (m) = manual integration (+) = signals summed

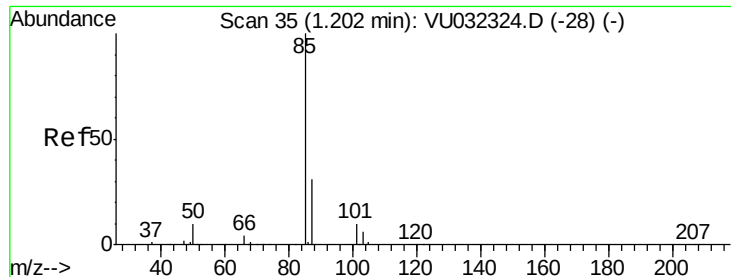
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#2

Dichlorodifluoromethane

Concen: 50.581 ug/L

RT: 1.20 min Scan# 35

Delta R.T. -0.00 min

Lab File: VU032371.D

Acq: 30 May 2019 11:04

Instrument :

MSVOA_U

ClientSampleId :

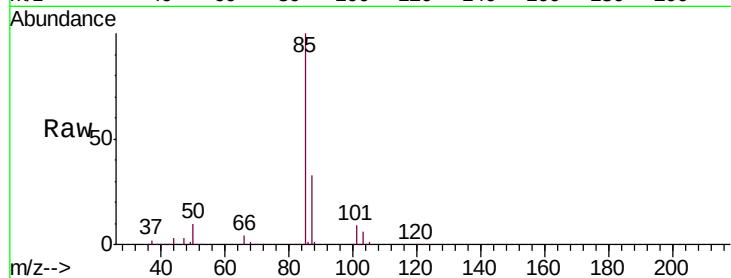
VSTD05054

Tgt Ion: 85 Resp: 294133

Ion Ratio Lower Upper

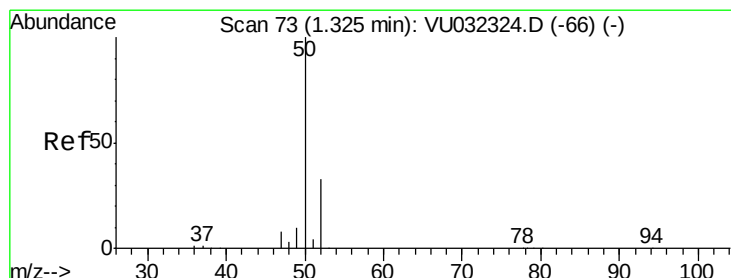
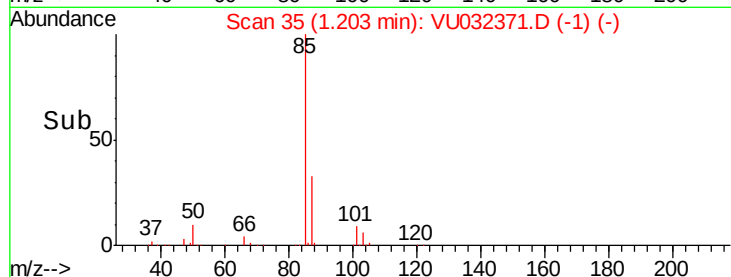
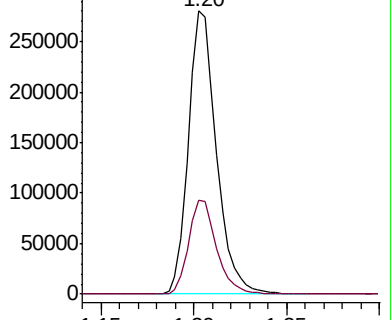
85 100

87 33.1 26.7 40.1



Abundance Ion 85.00 (84.70 to 85.70): VU032371.D (-1) (-)

Ion 87.00 (86.70 to 87.70): VU032371.D (-1) (-)



#3

Chloromethane

Concen: 45.831 ug/L

RT: 1.32 min Scan# 73

Delta R.T. -0.00 min

Lab File: VU032371.D

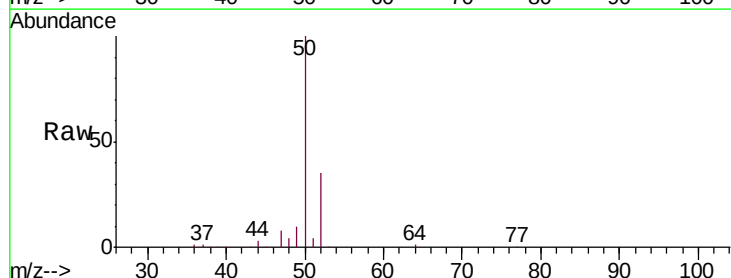
Acq: 30 May 2019 11:04

Tgt Ion: 50 Resp: 282418

Ion Ratio Lower Upper

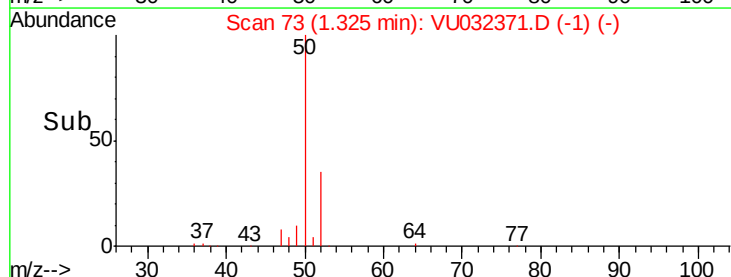
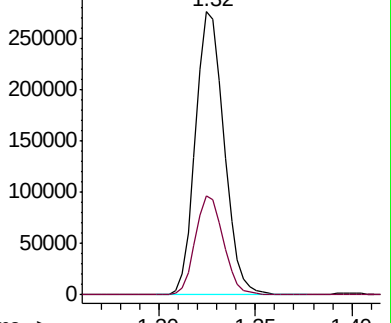
50 100

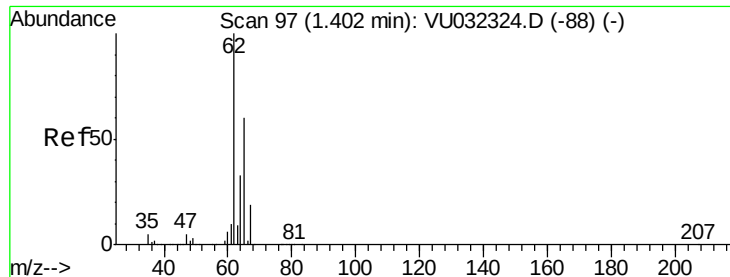
52 34.8 23.6 43.8



Abundance Ion 50.00 (49.70 to 50.70): VU032371.D (-1) (-)

Ion 52.00 (51.70 to 52.70): VU032371.D (-1) (-)





#5

Vinyl chloride

Concen: 48.204 ug/L

RT: 1.40 min Scan# 97

Delta R.T. -0.00 min

Lab File: VU032371.D

Acq: 30 May 2019 11:04

Instrument :

MSVOA_U

ClientSampleId :

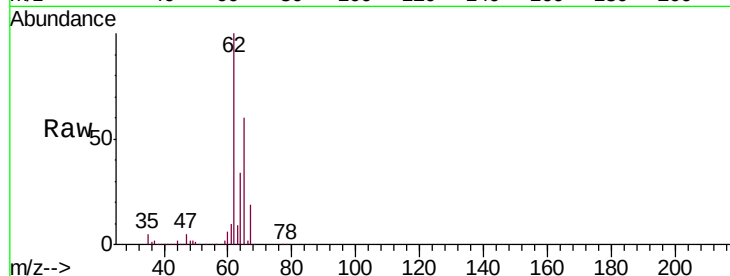
VSTD05054

Tgt Ion: 62 Resp: 302937

Ion Ratio Lower Upper

62 100

64 33.9 22.7 42.1



Abundance Ion 62.00 (61.70 to 62.70): VU032371.D (-4) (-)

Ion 64.00 (63.70 to 64.70): VU032371.D (-4) (-)

1.40

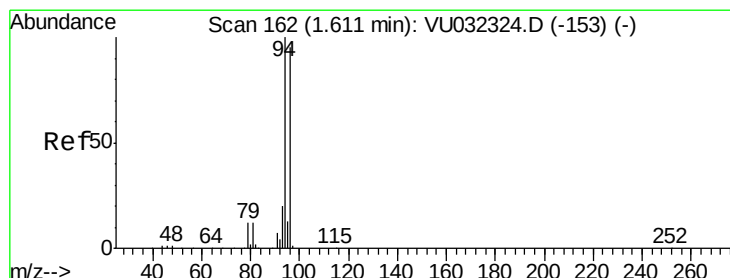
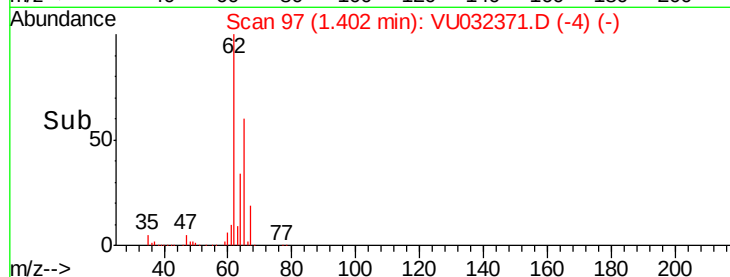
300000

200000

100000

0

Time-->



#6

Bromomethane

Concen: 42.788 ug/L

RT: 1.60 min Scan# 160

Delta R.T. -0.01 min

Lab File: VU032371.D

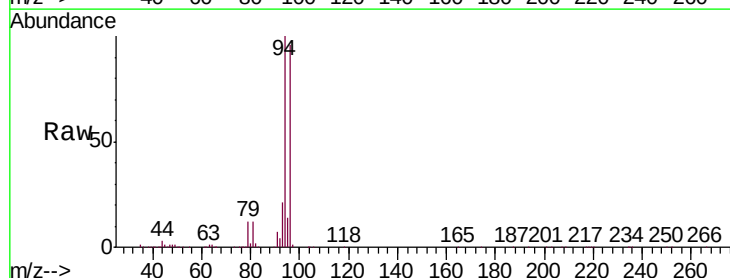
Acq: 30 May 2019 11:04

Tgt Ion: 94 Resp: 171962

Ion Ratio Lower Upper

94 100

96 95.8 64.5 119.9



Abundance Ion 94.00 (93.70 to 94.70): VU032371.D (-69) (-)

Ion 96.00 (95.70 to 96.70): VU032371.D (-69) (-)

1.60

200000

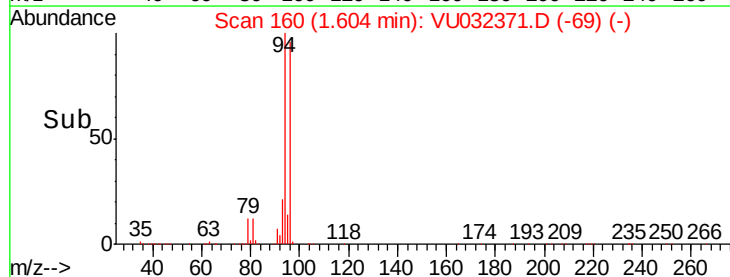
150000

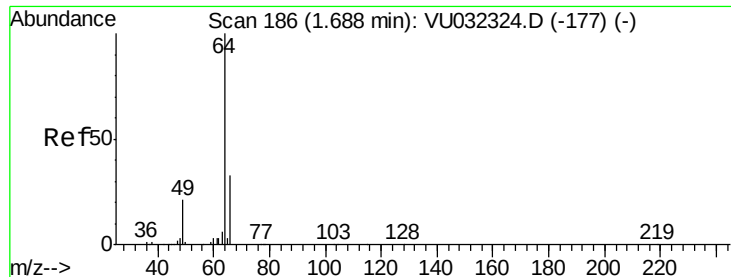
100000

50000

0

Time-->





#8

Chloroethane

Concen: 48.049 ug/L

RT: 1.68 min Scan# 184

Delta R.T. -0.01 min

Lab File: VU032371.D

Acq: 30 May 2019 11:04

Instrument :

MSVOA_U

ClientSampleId :

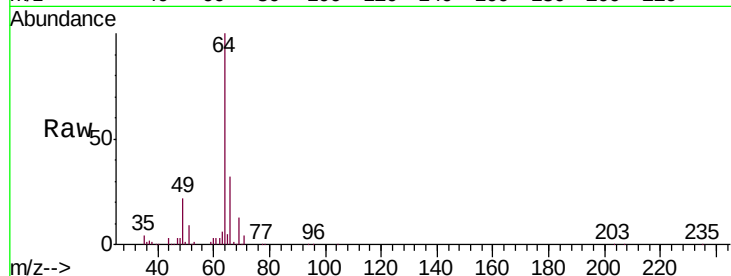
VSTD05054

Tgt Ion: 64 Resp: 182626

Ion Ratio Lower Upper

64 100

66 32.3 22.4 41.6



Abundance Ion 64.00 (63.70 to 64.70): VU032371.D (-177) (-)

Ion 66.00 (65.70 to 66.70): VU032371.D (-177) (-)

1.68

150000

100000

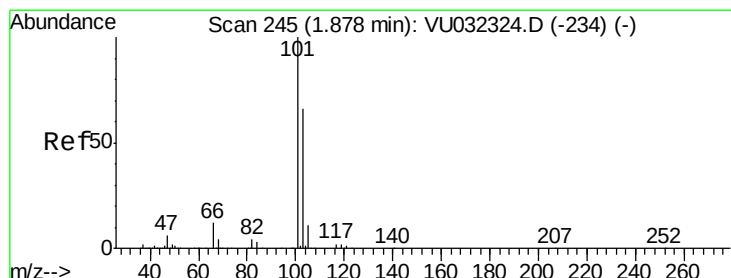
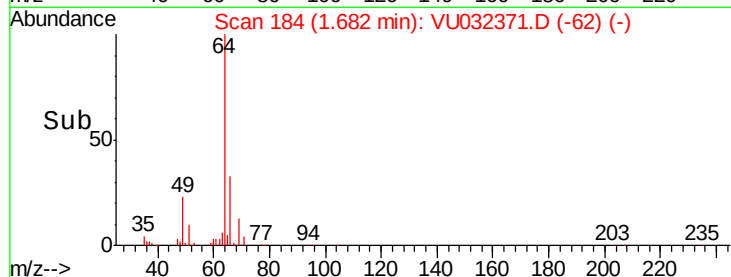
50000

0

1.65

1.70

Time-->



#9

Trichlorofluoromethane

Concen: 51.432 ug/L

RT: 1.88 min Scan# 245

Delta R.T. -0.00 min

Lab File: VU032371.D

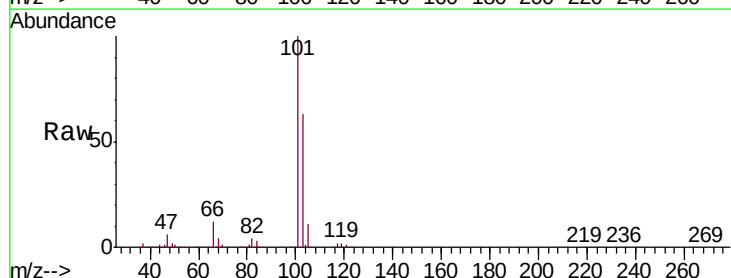
Acq: 30 May 2019 11:04

Tgt Ion: 101 Resp: 405391

Ion Ratio Lower Upper

101 100

103 64.4 51.7 77.5



Abundance Ion 101.00 (100.70 to 101.70): VU032371.D (-122) (-)

Ion 103.00 (102.70 to 103.70): VU032371.D (-122) (-)

1.88

300000

200000

100000

0

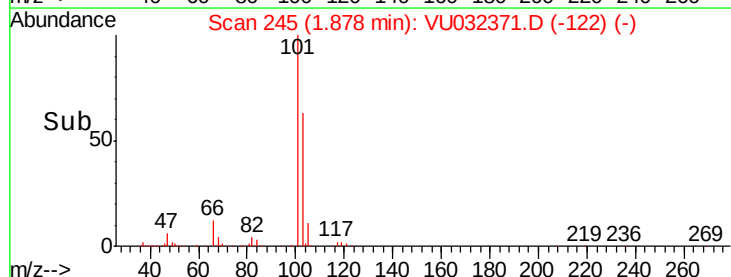
1.80

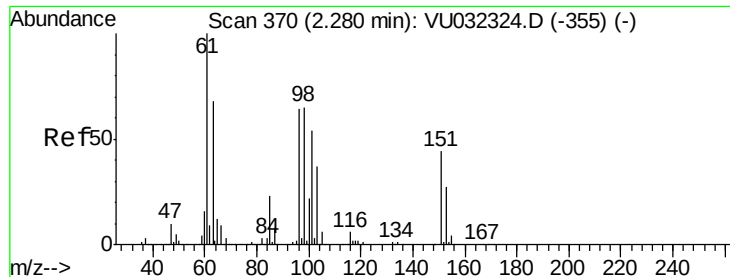
1.85

1.90

1.95

Time-->





#10

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

Concen: 52.347 ug/L

RT: 2.28 min Scan# 370

Delta R.T. -0.00 min

Lab File: VU032371.D

Acq: 30 May 2019 11:04

Instrument :

MSVOA_U

ClientSampleId :

VSTD05054

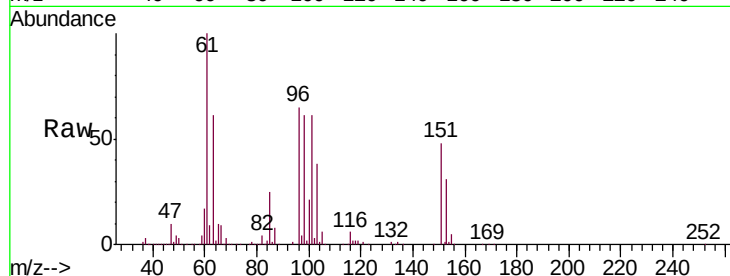
Tgt Ion: 101 Resp: 249011

Ion Ratio Lower Upper

101 100

85 40.4 33.4 50.0

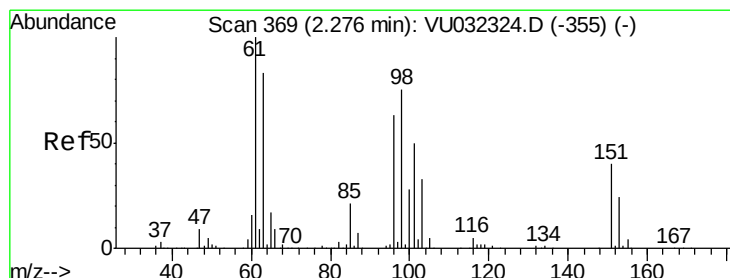
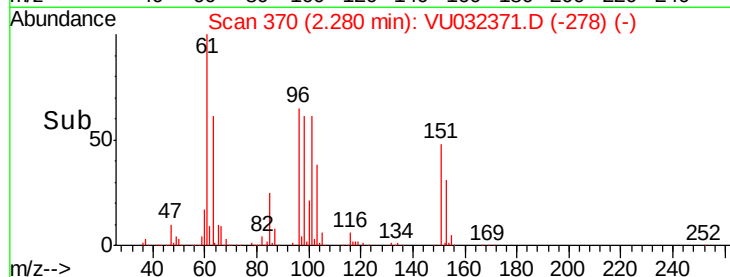
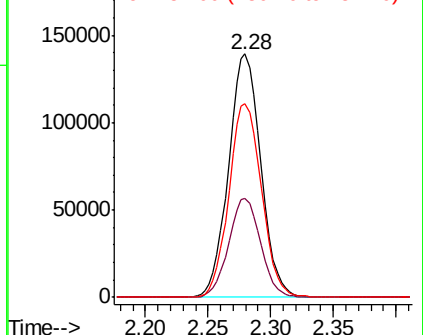
151 80.5 63.7 95.5



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: 50.264 ug/L

RT: 2.28 min Scan# 369

Delta R.T. -0.00 min

Lab File: VU032371.D

Acq: 30 May 2019 11:04

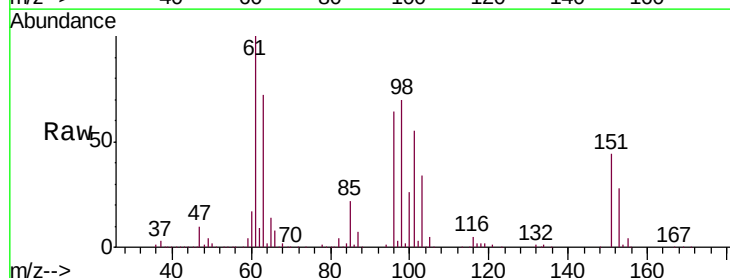
Tgt Ion: 96 Resp: 243851

Ion Ratio Lower Upper

96 100

61 156.3 109.8 203.8

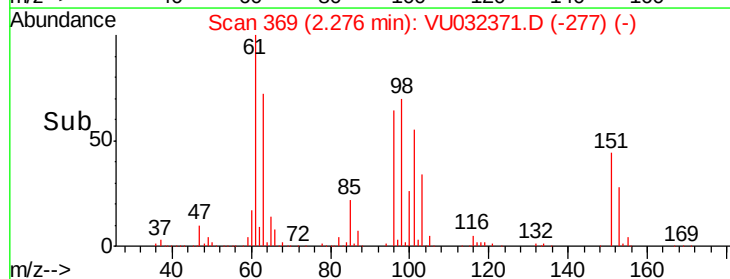
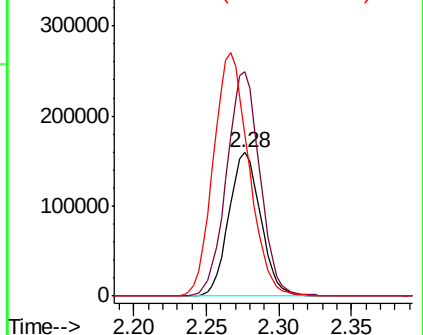
63 113.0 74.4 138.2

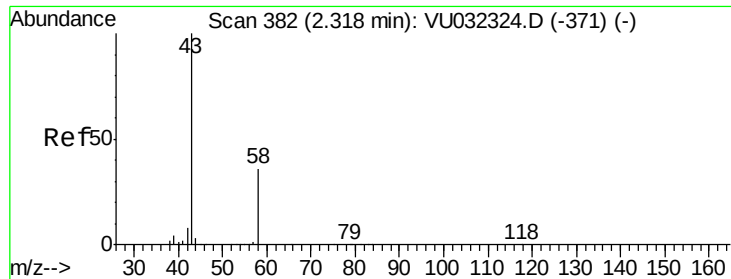


Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.00 (60.70 to 61.70): VU0

Ion 63.00 (62.70 to 63.70): VU0

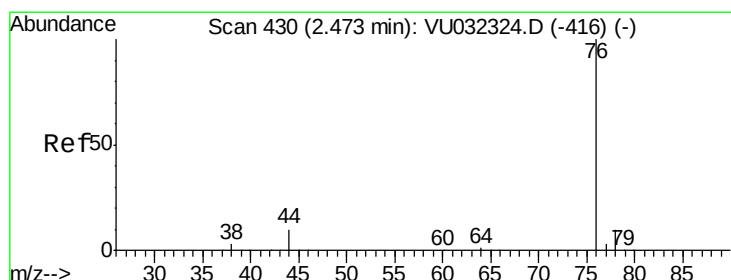
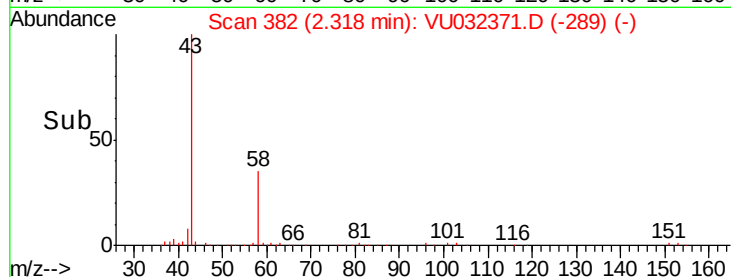
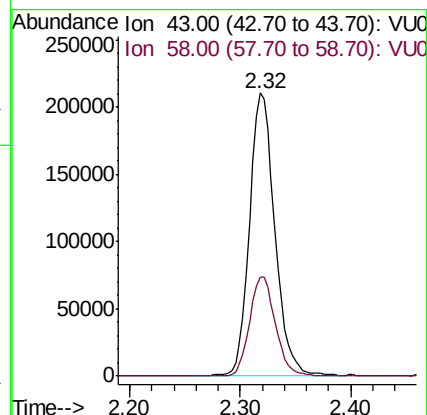
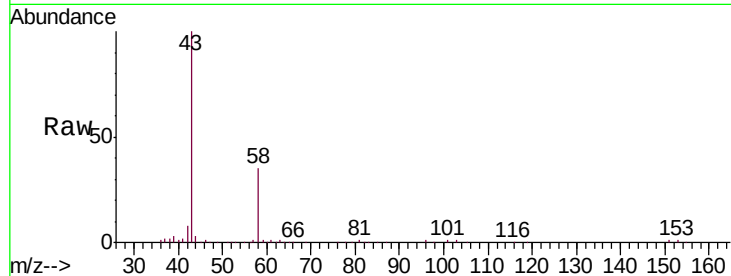




#13
Acetone
Concen: 97.966 ug/L
RT: 2.32 min Scan# 382
Delta R.T. -0.00 min
Lab File: VU032371.D
Acq: 30 May 2019 11:04

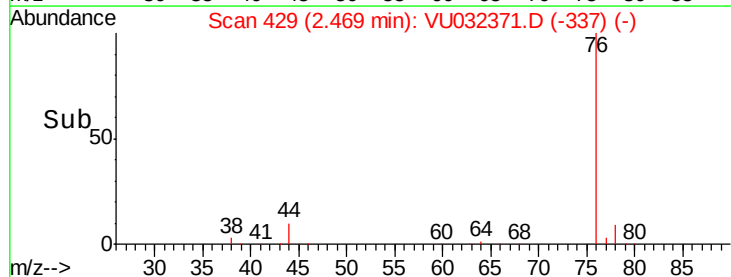
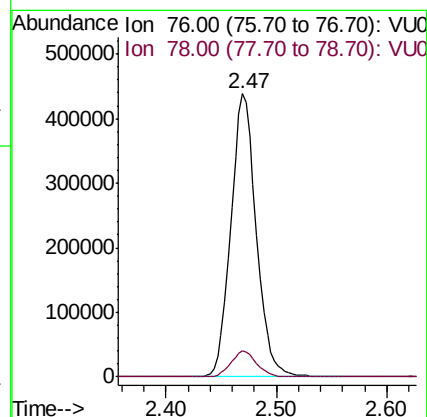
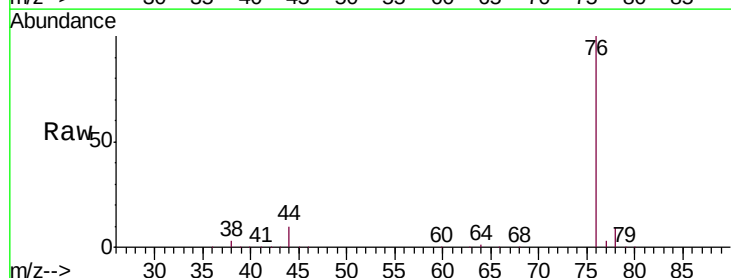
Instrument :
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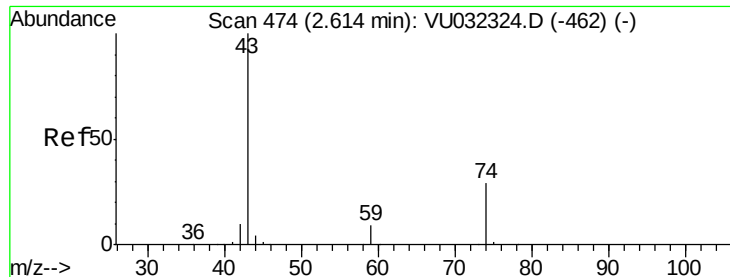
Tgt Ion: 43 Resp: 335670
Ion Ratio Lower Upper
43 100
58 35.0 0.0 73.6



#14
Carbon disulfide
Concen: 48.097 ug/L
RT: 2.47 min Scan# 429
Delta R.T. -0.00 min
Lab File: VU032371.D
Acq: 30 May 2019 11:04

Tgt Ion: 76 Resp: 700158
Ion Ratio Lower Upper
76 100
78 9.1 7.0 10.6

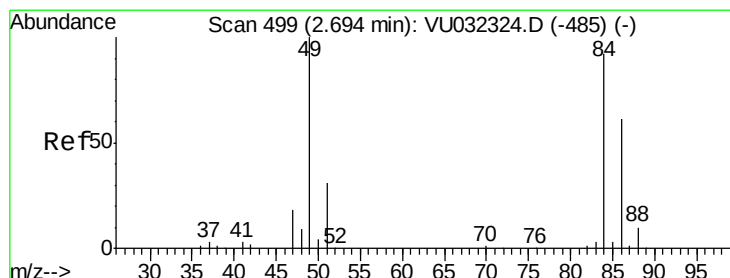
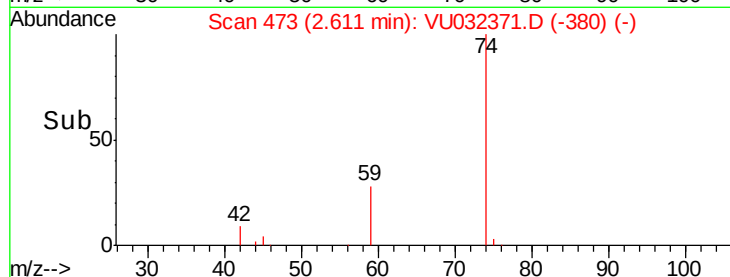
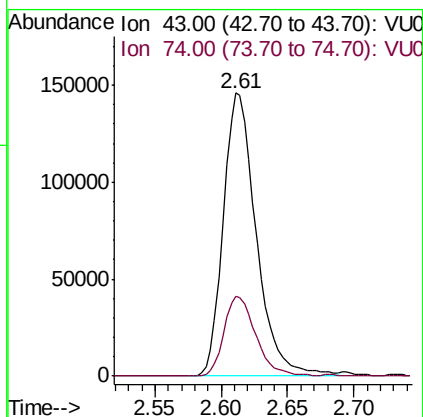
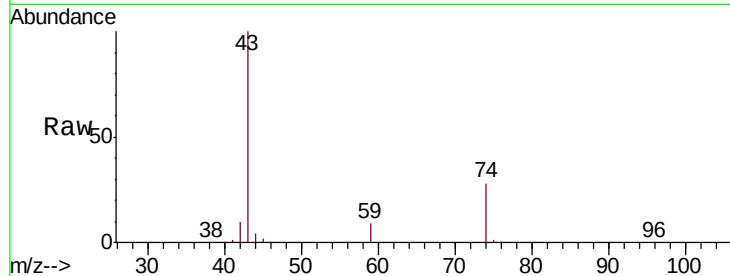




#15
Methyl Acetate
Concen: 45.983 ug/L
RT: 2.61 min Scan# 473
Delta R.T. -0.00 min
Lab File: VU032371.D
Acq: 30 May 2019 11:04

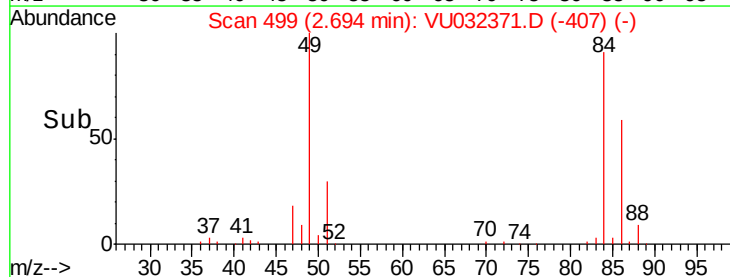
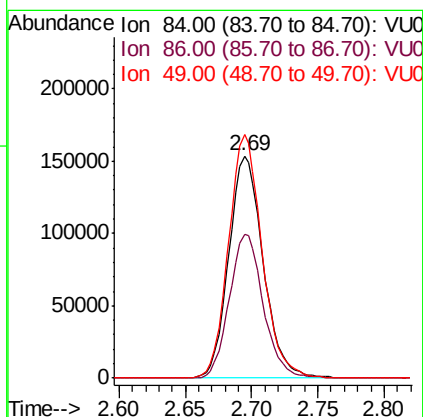
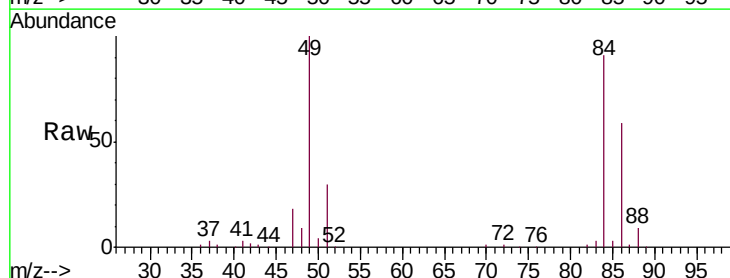
Instrument :
MSVOA_U
ClientSampleId :
VSTD05054

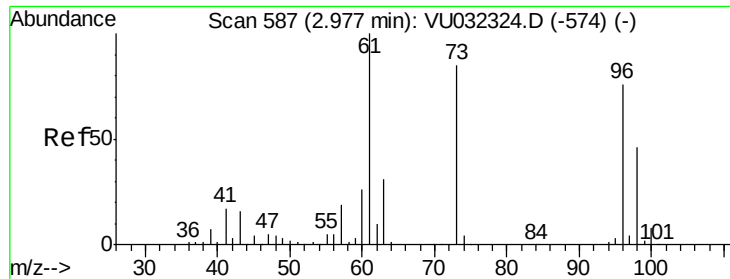
Tgt Ion: 43 Resp: 251788
Ion Ratio Lower Upper
43 100
74 27.4 21.1 31.7



#16
Methylene chloride
Concen: 48.978 ug/L
RT: 2.69 min Scan# 499
Delta R.T. -0.00 min
Lab File: VU032371.D
Acq: 30 May 2019 11:04

Tgt Ion: 84 Resp: 276975
Ion Ratio Lower Upper
84 100
86 64.8 45.0 83.6
49 109.7 75.9 140.9

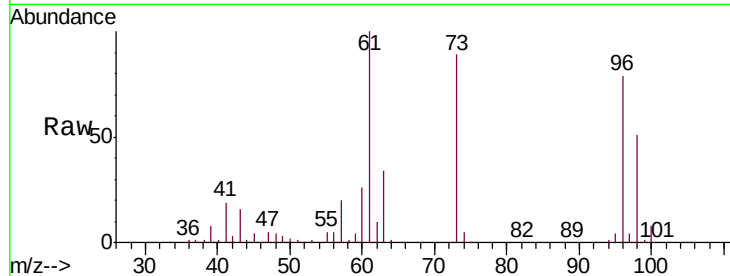




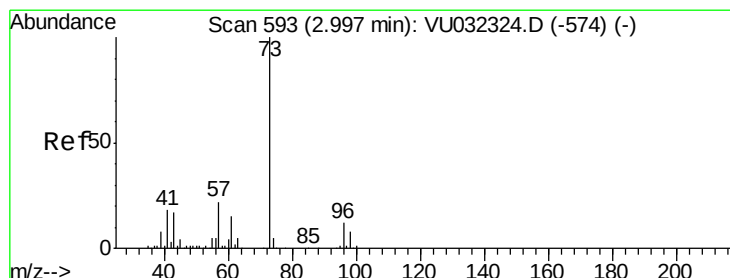
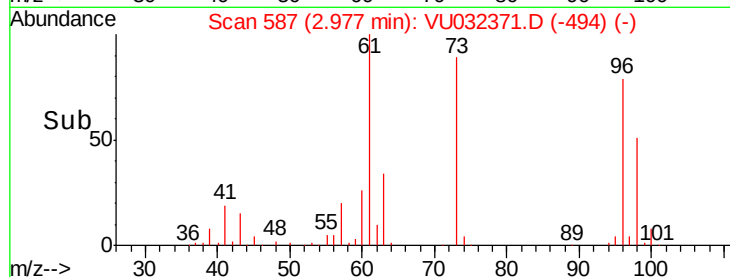
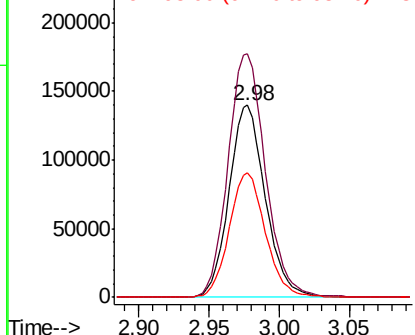
#17
trans-1,2-Dichloroethene
Concen: 50.447 ug/L
RT: 2.98 min Scan# 587
Delta R.T. -0.00 min
Lab File: VU032371.D
Acq: 30 May 2019 11:04

Instrument :
MSVOA_U
ClientSampleId :
VSTD05054

Tgt Ion: 96 Resp: 252129
Ion Ratio Lower Upper
96 100
61 126.6 98.2 182.4
98 64.9 45.5 84.5

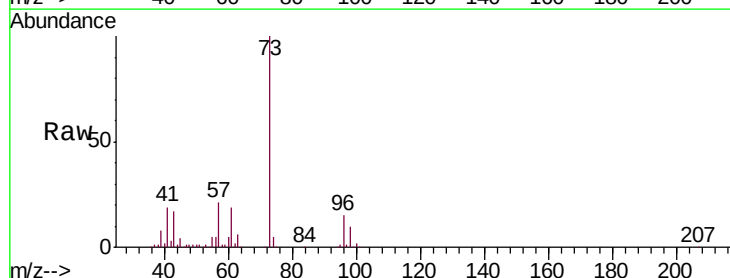


Abundance Ion 96.00 (95.70 to 96.70): VU0
Ion 61.00 (60.70 to 61.70): VU0
Ion 98.00 (97.70 to 98.70): VU0

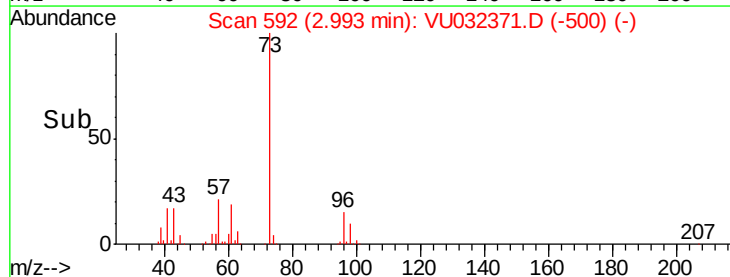
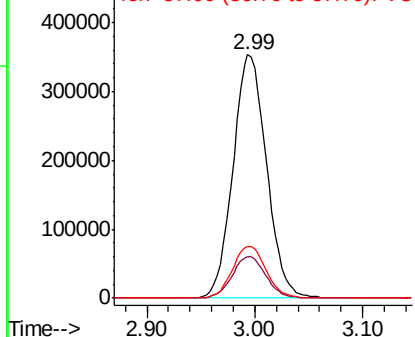


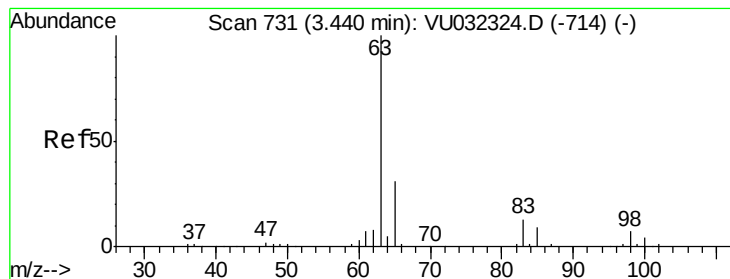
#18
Methyl tert-butyl Ether
Concen: 50.646 ug/L
RT: 2.99 min Scan# 592
Delta R.T. -0.00 min
Lab File: VU032371.D
Acq: 30 May 2019 11:04

Tgt Ion: 73 Resp: 766368
Ion Ratio Lower Upper
73 100
43 17.1 13.7 20.5
57 21.5 17.2 25.8



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: 49.216 ug/L

RT: 3.44 min Scan# 730

Delta R.T. -0.00 min

Lab File: VU032371.D

Acq: 30 May 2019 11:04

Instrument :

MSVOA_U

ClientSampleId :

VSTD05054

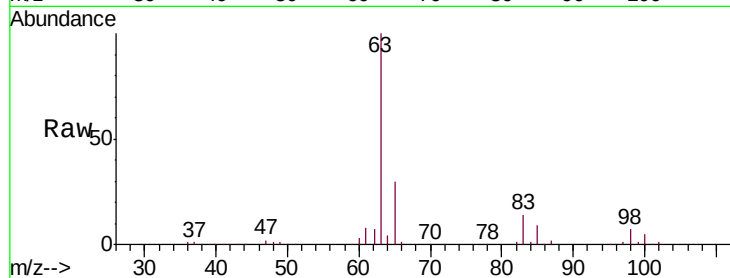
Tgt Ion: 63 Resp: 446788

Ion Ratio Lower Upper

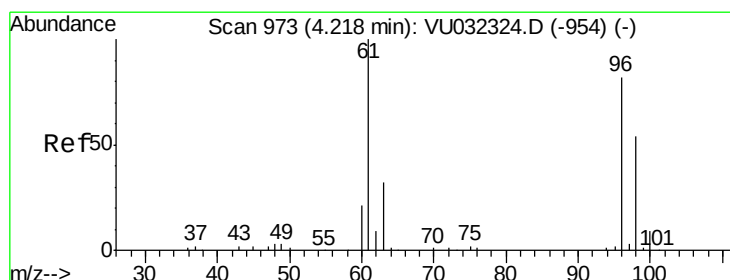
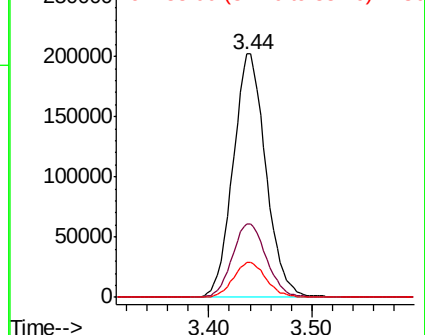
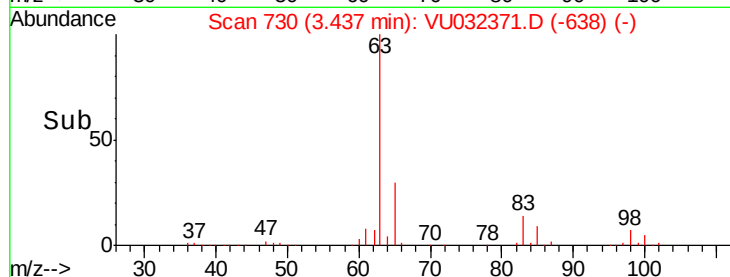
63 100

65 30.3 23.2 43.0

83 14.2 9.9 18.5



Abundance Ion 63.00 (62.70 to 63.70): VU032371.D (-638) (-)



#20

cis-1,2-Dichloroethene

Concen: 50.756 ug/L

RT: 4.22 min Scan# 973

Delta R.T. -0.00 min

Lab File: VU032371.D

Acq: 30 May 2019 11:04

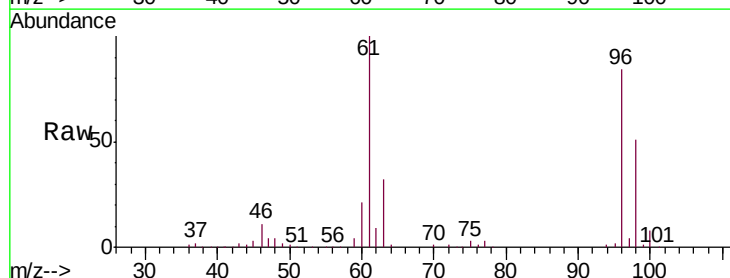
Tgt Ion: 96 Resp: 284343

Ion Ratio Lower Upper

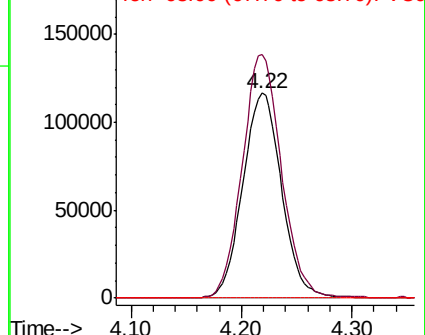
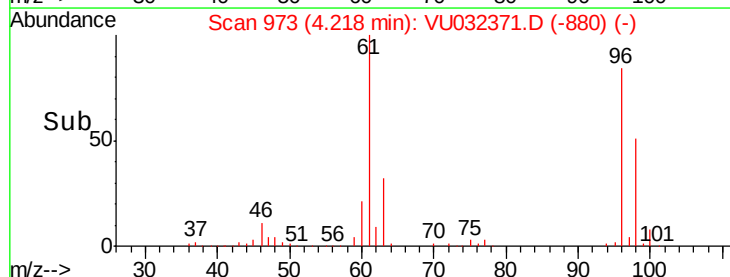
96 100

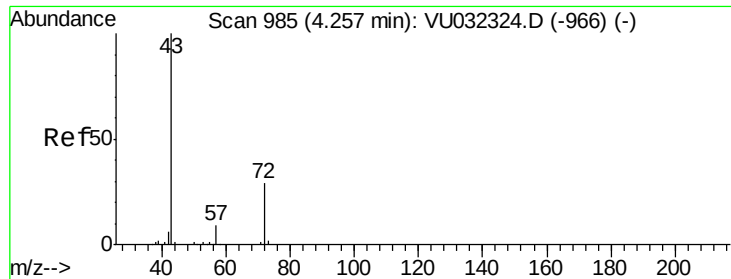
61 118.9 85.6 159.0

68 0.0 0.0 0.0



Abundance Ion 96.00 (95.70 to 96.70): VU032371.D (-880) (-)





#22

2-Butanone

Concen: 97.582 ug/L

RT: 4.26 min Scan# 985

Delta R.T. -0.00 min

Lab File: VU032371.D

Acq: 30 May 2019 11:04

Instrument :

MSVOA_U

ClientSampleId :

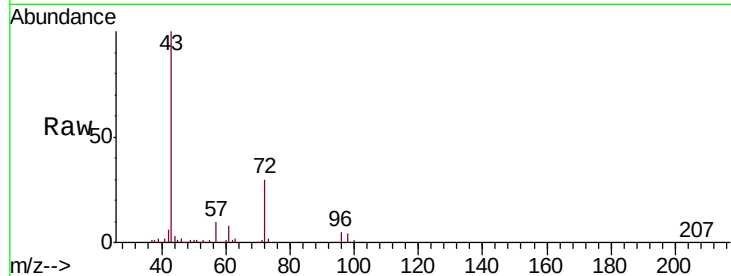
VSTD05054

Tgt Ion: 43 Resp: 402682

Ion Ratio Lower Upper

43 100

72 30.7 15.3 45.8



Abundance Ion 43.00 (42.70 to 43.70): VU032324.D (-966) (-)

Ion 72.00 (71.70 to 72.70): VU032324.D (-966) (-)

4.26

150000

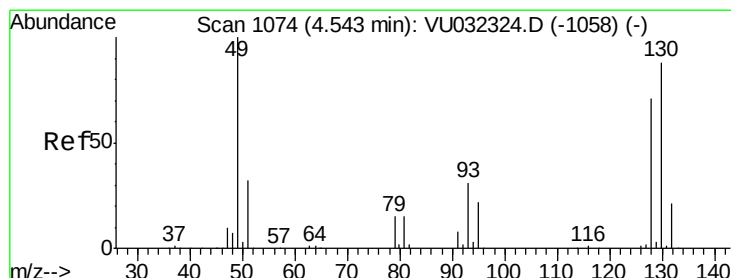
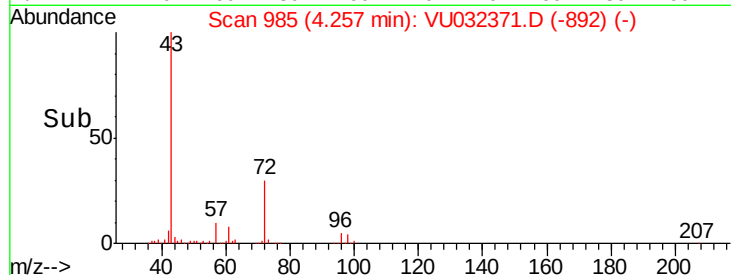
100000

50000

0

4.20 4.30

Time-->



#23

Bromochloromethane

Concen: 50.469 ug/L

RT: 4.54 min Scan# 1073

Delta R.T. -0.00 min

Lab File: VU032371.D

Acq: 30 May 2019 11:04

Tgt Ion: 128 Resp: 149183

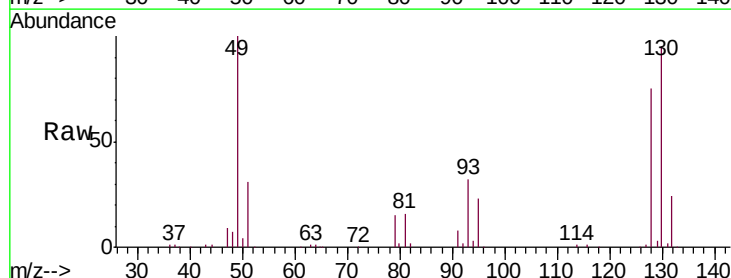
Ion Ratio Lower Upper

128 100

49 133.7 98.8 183.6

130 126.5 92.3 171.5

51 41.6 35.0 52.6



Abundance Ion 128.00 (127.70 to 128.70): VU032324.D (-1058) (-)

Ion 49.00 (48.70 to 49.70): VU032324.D (-1058) (-)

Ion 130.00 (129.70 to 130.70): VU032324.D (-1058) (-)

Ion 51.00 (50.70 to 51.70): VU032324.D (-1058) (-)

4.54

120000

100000

80000

60000

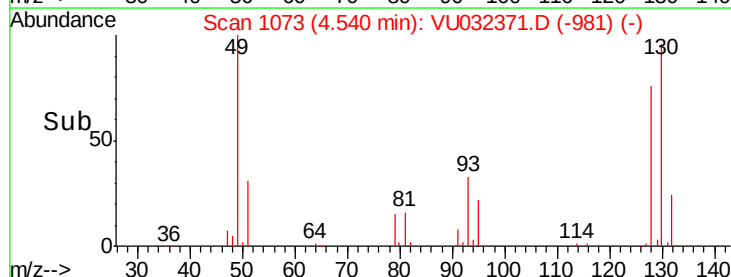
40000

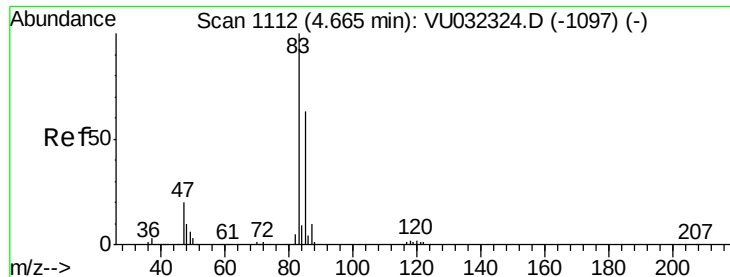
20000

0

4.45 4.50 4.55 4.60

Time-->

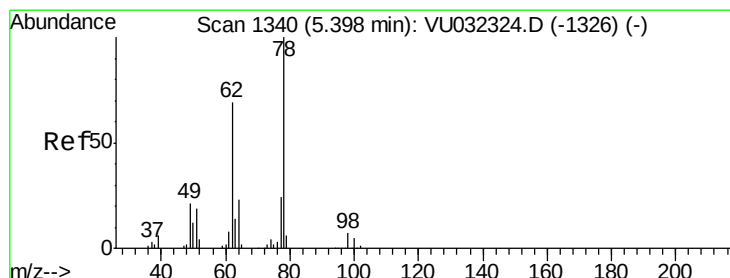
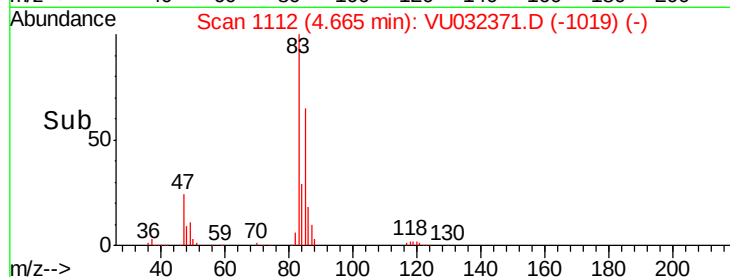
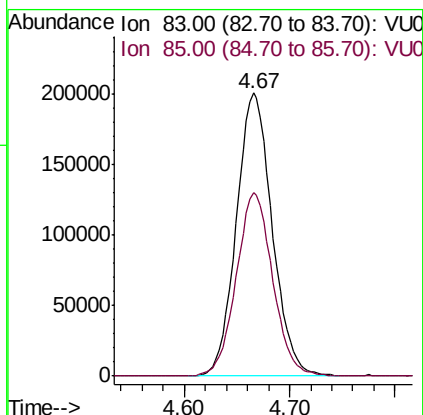
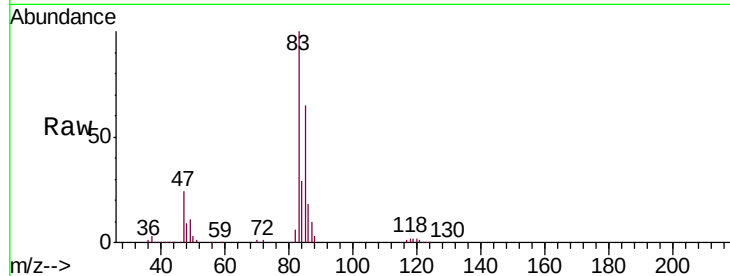




#25
Chloroform
Concen: 50.239 ug/L
RT: 4.67 min Scan# 1112
Delta R.T. -0.00 min
Lab File: VU032371.D
Acq: 30 May 2019 11:04

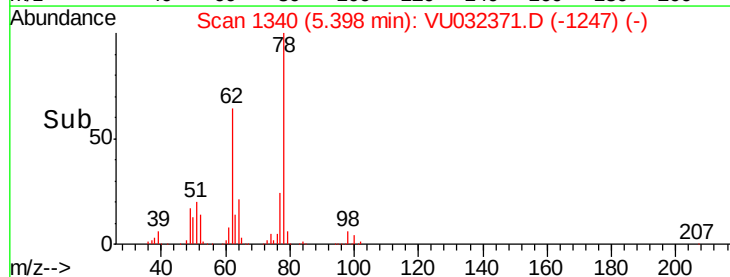
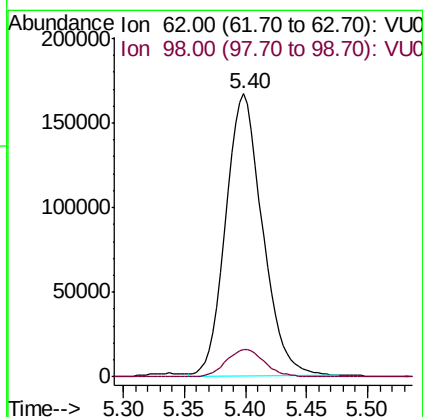
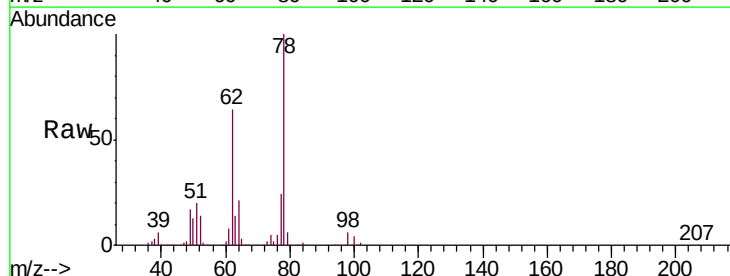
Instrument :
MSVOA_U
ClientSampleId :
VSTD05054

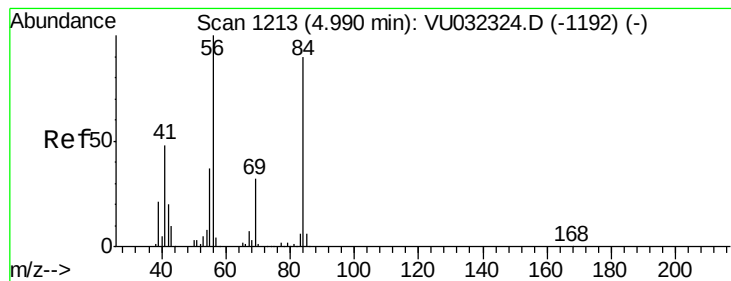
Tgt Ion: 83 Resp: 474387
Ion Ratio Lower Upper
83 100
85 64.7 45.1 83.9



#27
1,2-Dichloroethane
Concen: 50.033 ug/L
RT: 5.40 min Scan# 1340
Delta R.T. -0.00 min
Lab File: VU032371.D
Acq: 30 May 2019 11:04

Tgt Ion: 62 Resp: 351655
Ion Ratio Lower Upper
62 100
98 9.5 8.4 12.6





#29

Cyclohexane

Concen: 49.687 ug/L

RT: 4.99 min Scan# 1212

Delta R.T. -0.00 min

Lab File: VU032371.D

Acq: 30 May 2019 11:04

Instrument :

MSVOA_U

ClientSampleId :

VSTD05054

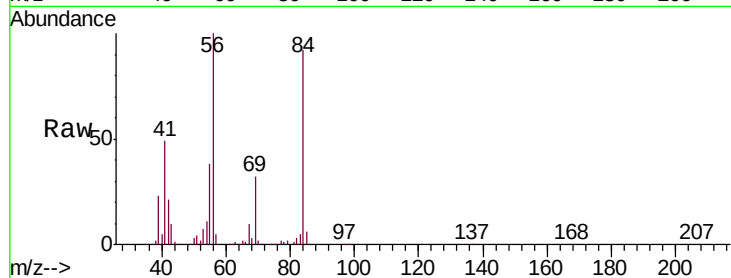
Tgt Ion: 56 Resp: 389254

Ion Ratio Lower Upper

56 100

69 32.2 25.6 38.4

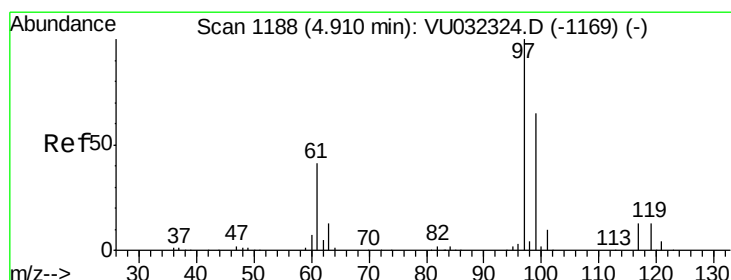
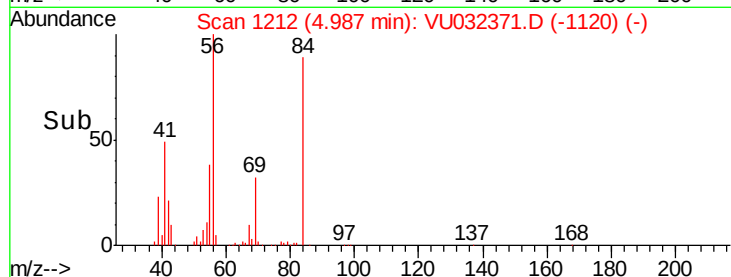
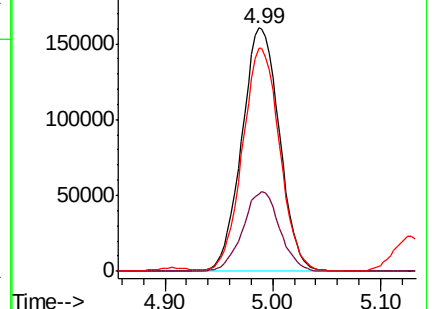
84 90.5 71.4 107.2



Abundance Ion 56.00 (55.70 to 56.70): VU032324.D (-1192) (-)

Ion 69.00 (68.70 to 69.70): VU032324.D (-1192) (-)

Ion 84.00 (83.70 to 84.70): VU032324.D (-1192) (-)



#30

1,1,1-Trichloroethane

Concen: 48.868 ug/L

RT: 4.91 min Scan# 1187

Delta R.T. -0.00 min

Lab File: VU032371.D

Acq: 30 May 2019 11:04

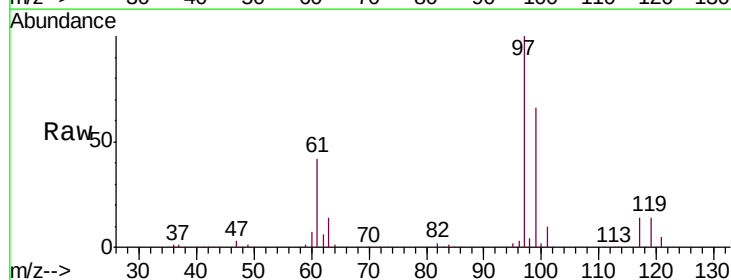
Tgt Ion: 97 Resp: 392656

Ion Ratio Lower Upper

97 100

99 64.7 51.4 77.0

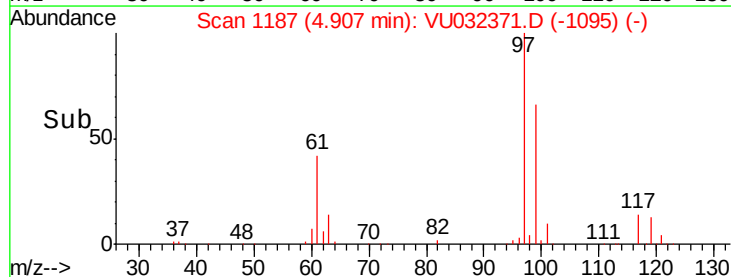
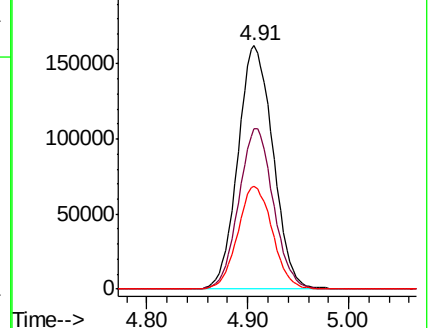
61 41.8 33.7 50.5

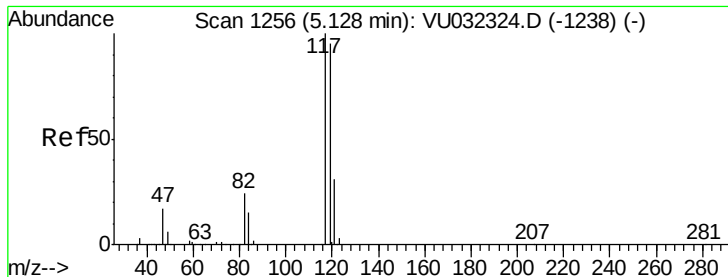


Abundance Ion 97.00 (96.70 to 97.70): VU032324.D (-1169) (-)

Ion 99.00 (98.70 to 99.70): VU032324.D (-1169) (-)

Ion 61.05 (60.75 to 61.75): VU032324.D (-1169) (-)





#31

Carbon tetrachloride

Concen: 50.136 ug/L

RT: 5.13 min Scan# 1255

Delta R.T. -0.00 min

Lab File: VU032371.D

Acq: 30 May 2019 11:04

Instrument :

MSVOA_U

ClientSampleId :

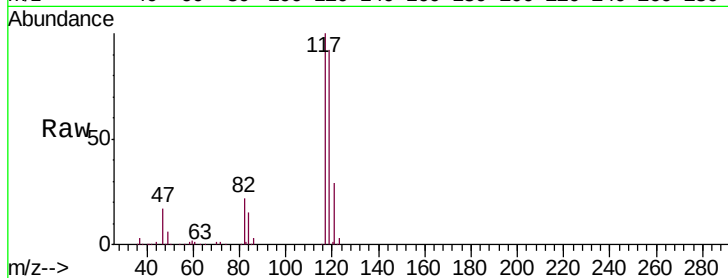
VSTD05054

Tgt Ion:117 Resp: 344957

Ion Ratio Lower Upper

117 100

119 95.2 77.4 116.0



Abundance Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V

150000

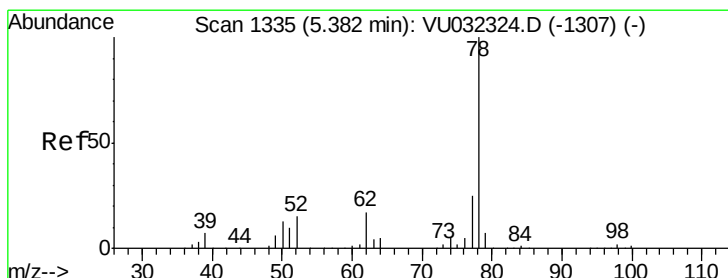
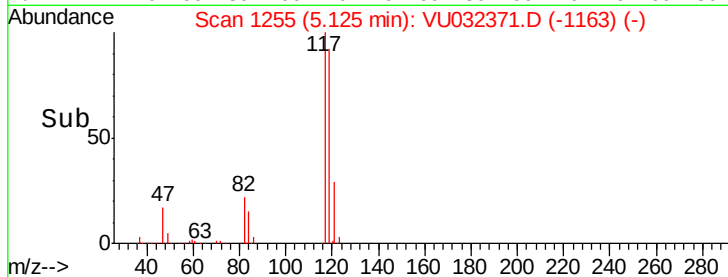
100000

50000

0

5.05 5.10 5.15 5.20

Time-->



#33

Benzene

Concen: 49.016 ug/L

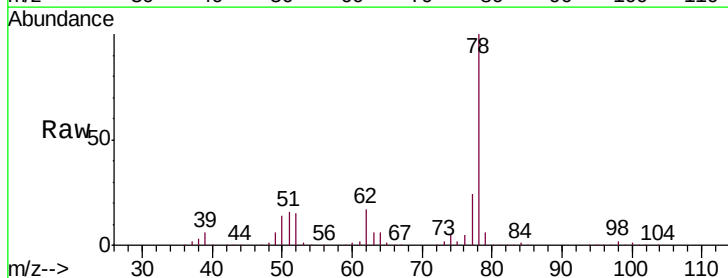
RT: 5.38 min Scan# 1335

Delta R.T. -0.00 min

Lab File: VU032371.D

Acq: 30 May 2019 11:04

Tgt Ion: 78 Resp: 1052200



Abundance Ion 78.00 (77.70 to 78.70): VU0

500000

400000

300000

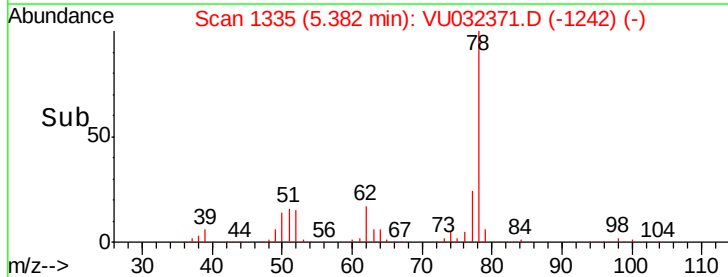
200000

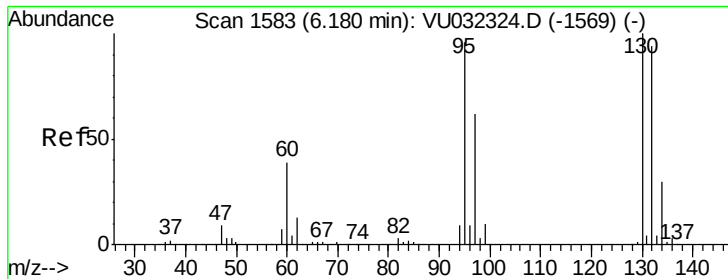
100000

0

5.30 5.40

Time-->





#34

Trichloroethene

Concen: 49.899 ug/L

RT: 6.18 min Scan# 1583

Delta R.T. -0.00 min

Lab File: VU032371.D

Acq: 30 May 2019 11:04

Instrument :

MSVOA_U

ClientSampleId :

VSTD05054

Tgt Ion: 95 Resp: 276744

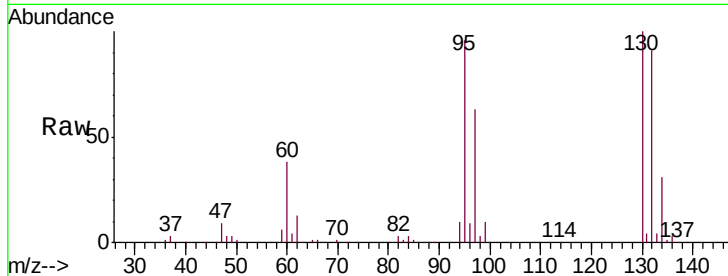
Ion Ratio Lower Upper

95 100

97 65.2 44.8 83.2

132 94.1 66.2 123.0

130 103.6 69.4 128.8

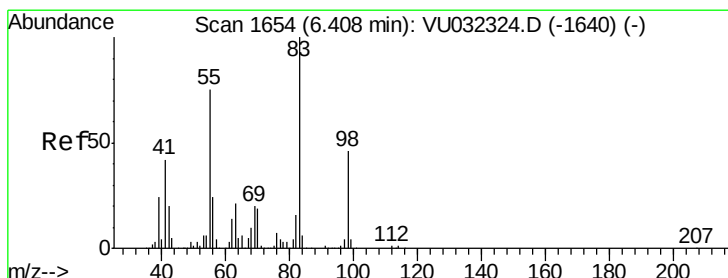
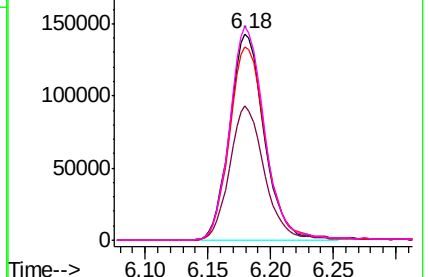
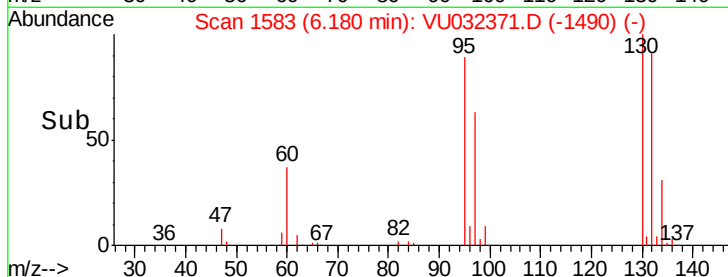


Abundance Ion 95.00 (94.70 to 95.70): VU0

Ion 97.00 (96.70 to 97.70): VU0

Ion 132.00 (131.70 to 132.70): V

Ion 130.00 (129.70 to 130.70): V



#35

Methylcyclohexane

Concen: 51.543 ug/L

RT: 6.41 min Scan# 1654

Delta R.T. -0.00 min

Lab File: VU032371.D

Acq: 30 May 2019 11:04

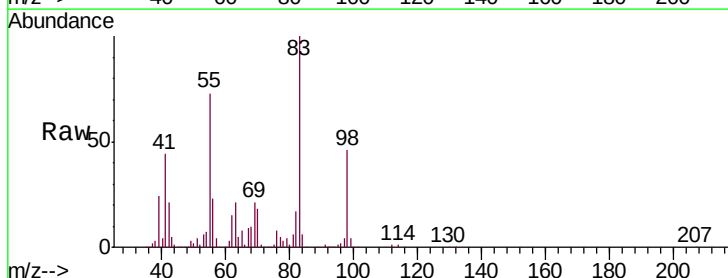
Tgt Ion: 83 Resp: 434329

Ion Ratio Lower Upper

83 100

55 72.6 59.4 89.0

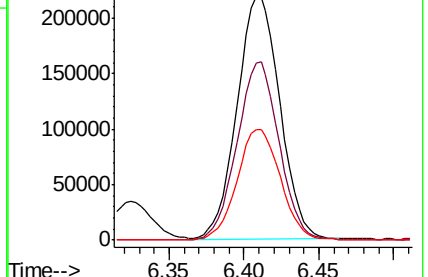
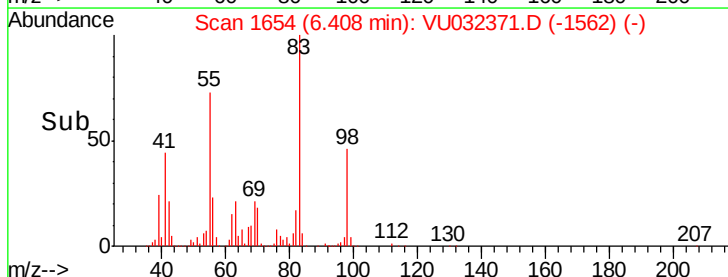
98 46.7 37.1 55.7

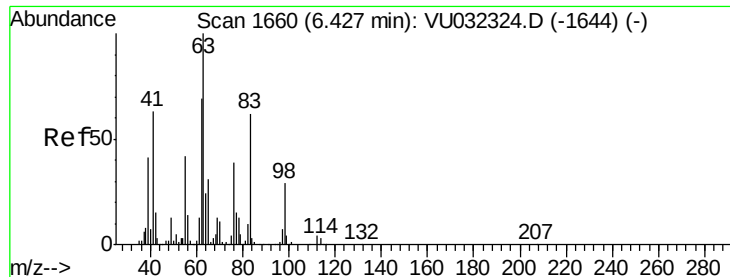


Abundance Ion 83.00 (82.70 to 83.70): VU0

Ion 55.00 (54.70 to 55.70): VU0

Ion 98.00 (97.70 to 98.70): VU0

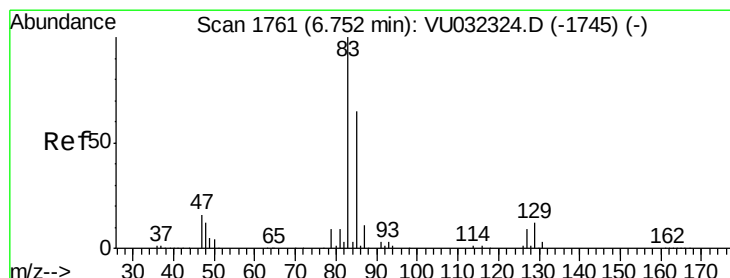
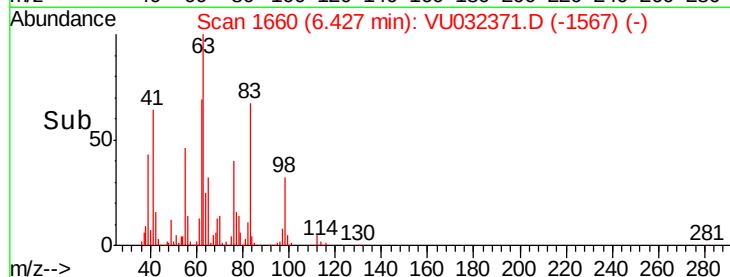
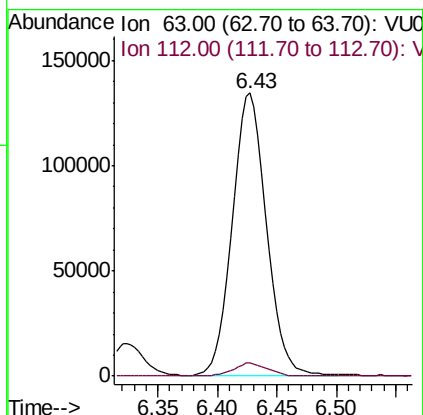
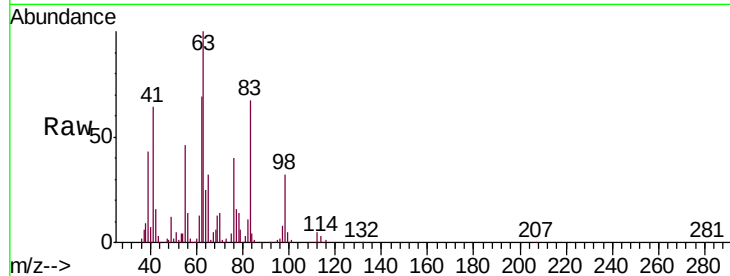




#37
 1,2-Dichloropropane
 Concen: 47.390 ug/L
 RT: 6.43 min Scan# 1660
 Delta R.T. -0.00 min
 Lab File: VU032371.D
 Acq: 30 May 2019 11:04

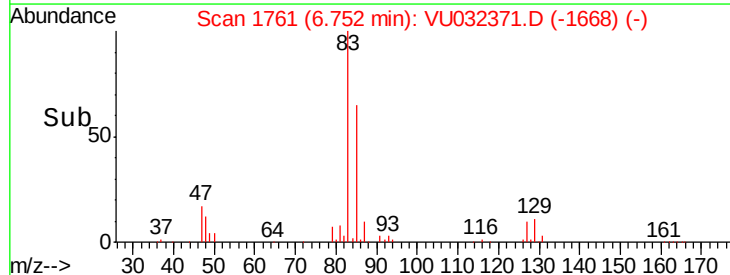
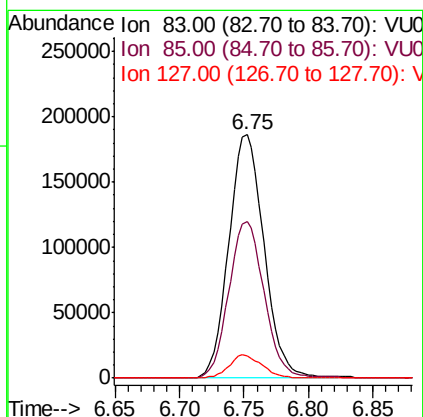
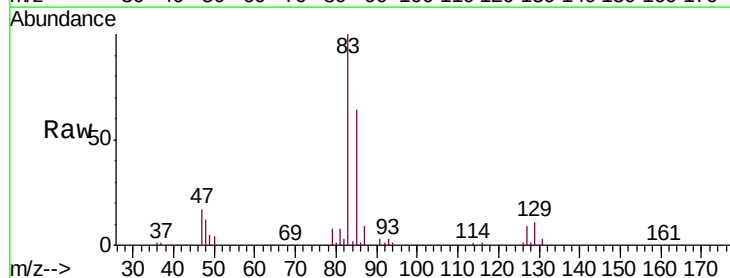
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD05054

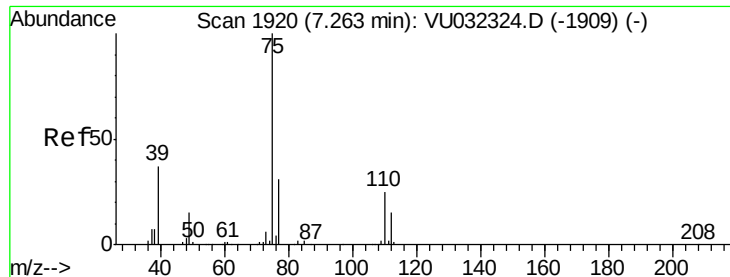
Tgt Ion: 63 Resp: 265706
 Ion Ratio Lower Upper
 63 100
 112 4.6 3.3 4.9



#38
 Bromodichloromethane
 Concen: 49.010 ug/L
 RT: 6.75 min Scan# 1761
 Delta R.T. -0.00 min
 Lab File: VU032371.D
 Acq: 30 May 2019 11:04

Tgt Ion: 83 Resp: 353134
 Ion Ratio Lower Upper
 83 100
 85 64.2 45.4 84.2
 127 9.4 6.4 9.6

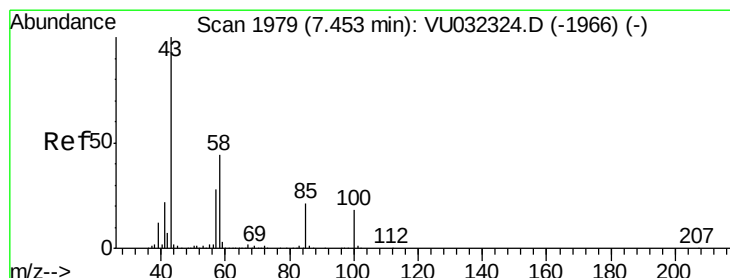
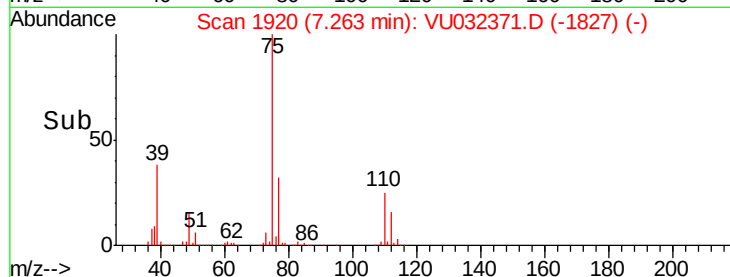
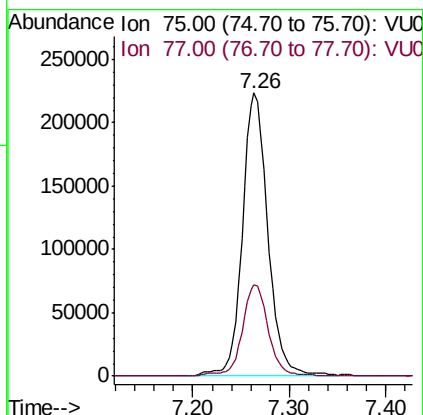
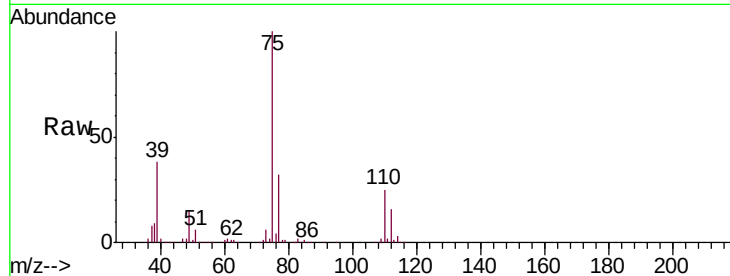




#39
 cis-1,3-Dichloropropene
 Concen: 49.389 ug/L
 RT: 7.26 min Scan# 1920
 Delta R.T. -0.00 min
 Lab File: VU032371.D
 Acq: 30 May 2019 11:04

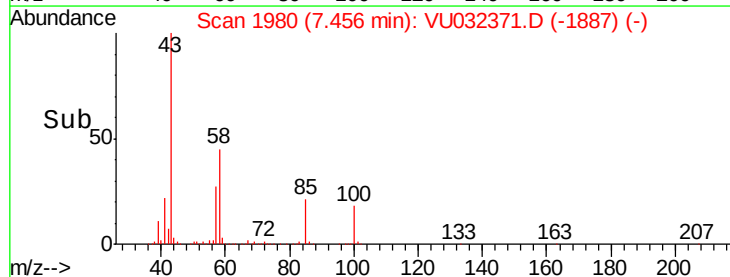
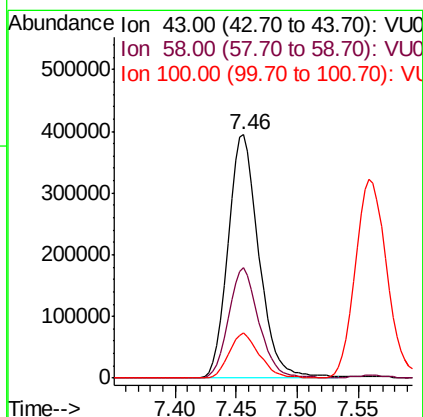
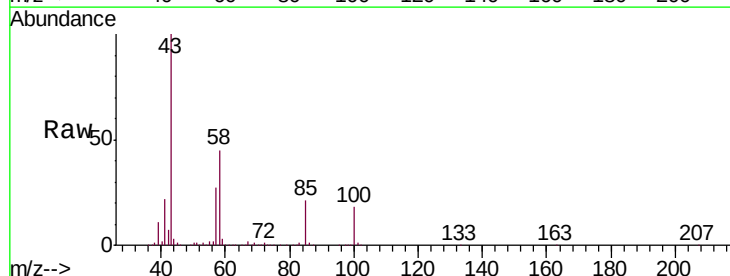
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD05054

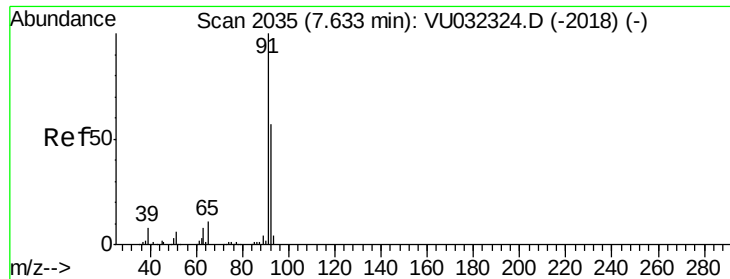
Tgt Ion: 75 Resp: 409283
 Ion Ratio Lower Upper
 75 100
 77 32.4 21.8 40.4



#40
 4-Methyl-2-pentanone
 Concen: 95.281 ug/L
 RT: 7.46 min Scan# 1980
 Delta R.T. -0.00 min
 Lab File: VU032371.D
 Acq: 30 May 2019 11:04

Tgt Ion: 43 Resp: 696821
 Ion Ratio Lower Upper
 43 100
 58 44.6 34.6 52.0
 100 18.3 14.1 21.1





#42

Toluene

Concen: 50.659 ug/L

RT: 7.63 min Scan# 2034

Delta R.T. -0.00 min

Lab File: VU032371.D

Acq: 30 May 2019 11:04

Instrument :

MSVOA_U

ClientSampleId :

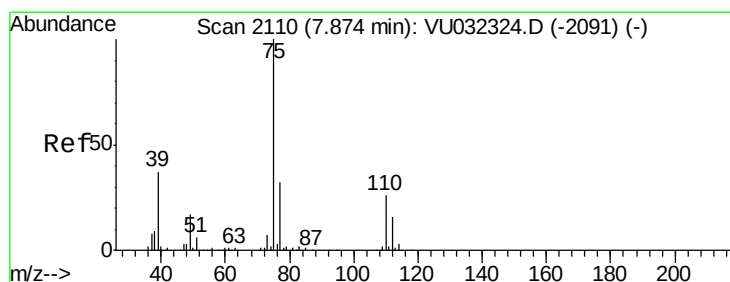
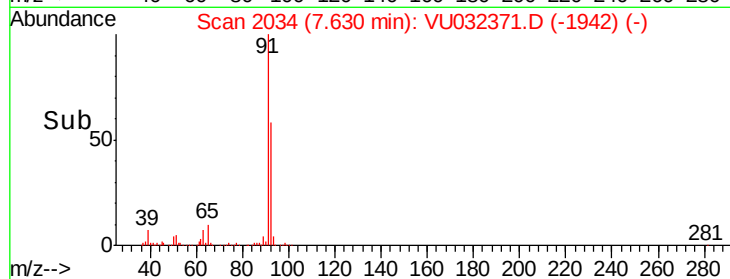
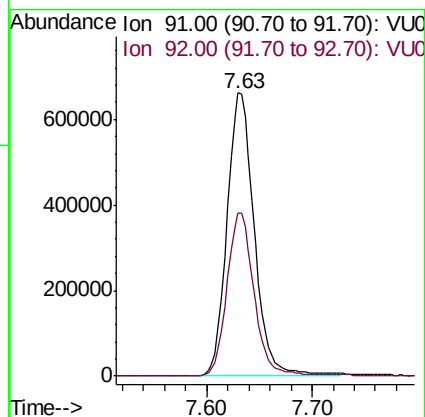
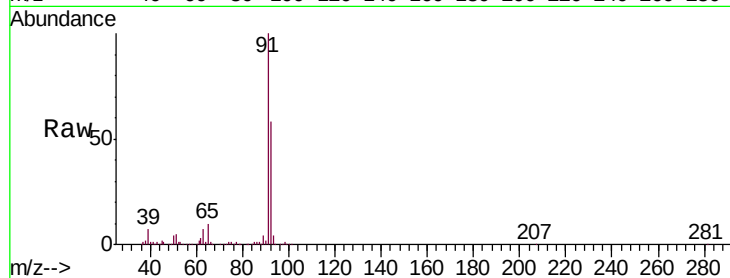
VSTD05054

Tgt Ion: 91 Resp: 1183948

Ion Ratio Lower Upper

91 100

92 57.8 40.7 75.7



#44

trans-1,3-Dichloropropene

Concen: 50.496 ug/L

RT: 7.87 min Scan# 2110

Delta R.T. -0.00 min

Lab File: VU032371.D

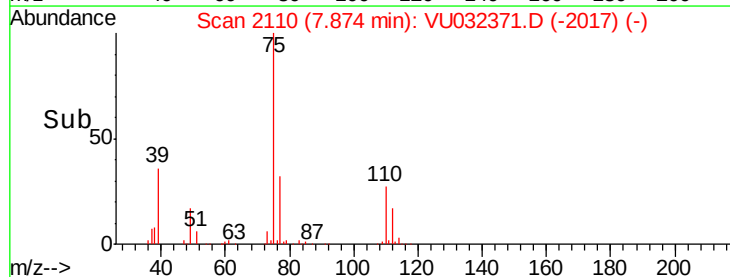
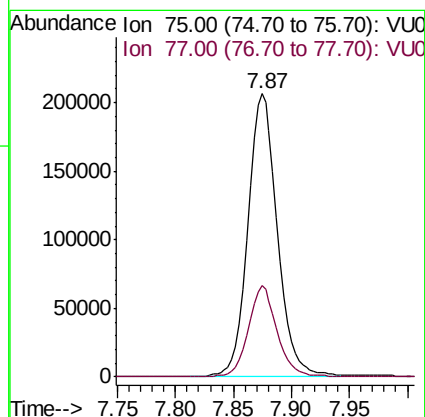
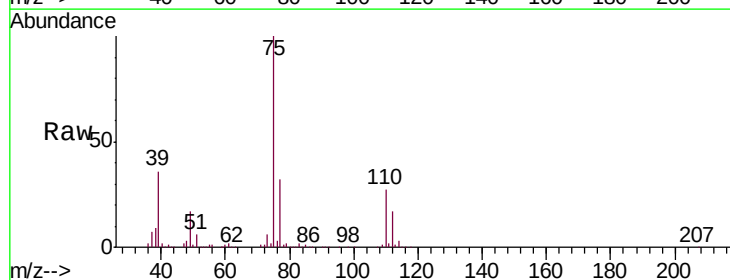
Acq: 30 May 2019 11:04

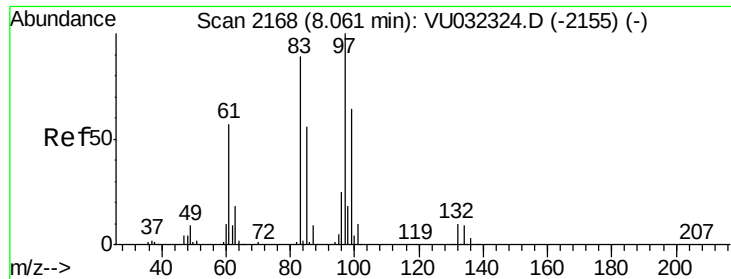
Tgt Ion: 75 Resp: 366494

Ion Ratio Lower Upper

75 100

77 32.1 23.0 42.6

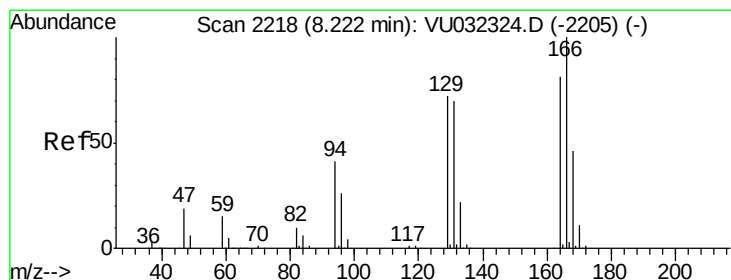
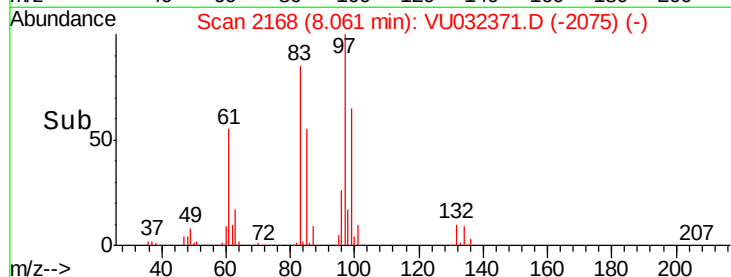
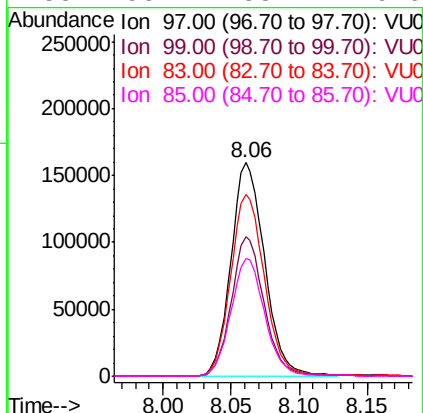
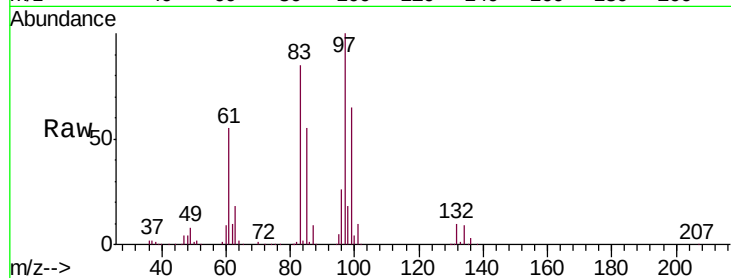




#45
 1,1,2-Trichloroethane
 Concen: 49.930 ug/L
 RT: 8.06 min Scan# 2168
 Delta R.T. -0.00 min
 Lab File: VU032371.D
 Acq: 30 May 2019 11:04

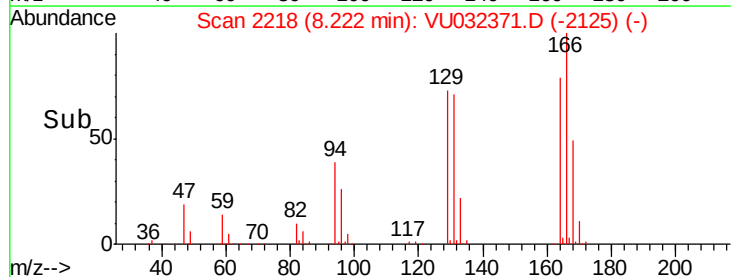
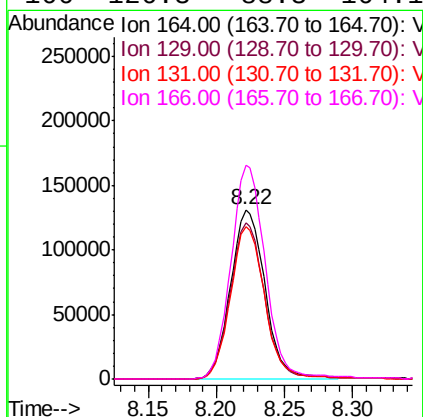
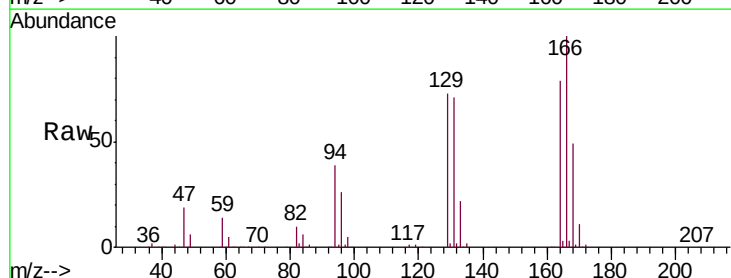
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD05054

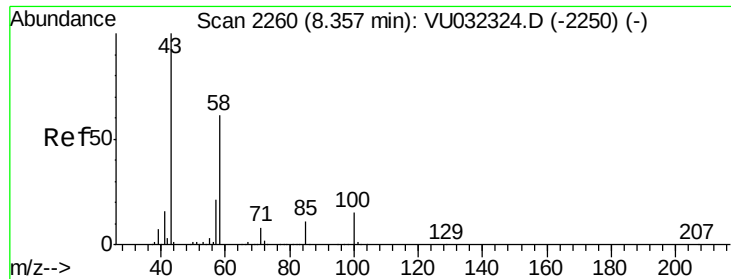
Tgt Ion:	97	Resp:	273725
Ion	Ratio	Lower	Upper
97	100		
99	65.3	42.6	79.0
83	85.2	60.3	112.1
85	55.4	38.1	70.9



#46
 Tetrachloroethene
 Concen: 51.144 ug/L
 RT: 8.22 min Scan# 2218
 Delta R.T. -0.00 min
 Lab File: VU032371.D
 Acq: 30 May 2019 11:04

Tgt Ion:	164	Resp:	230435
Ion	Ratio	Lower	Upper
164	100		
129	92.2	63.9	118.7
131	89.9	60.4	112.2
166	126.3	88.3	164.1

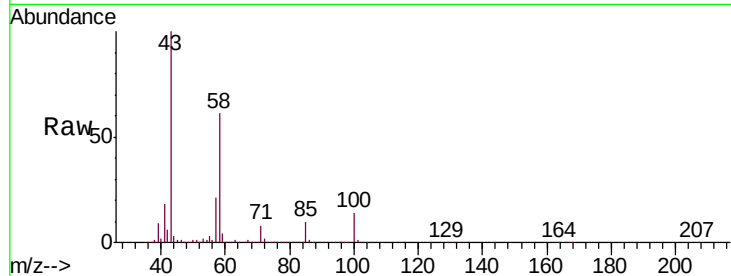




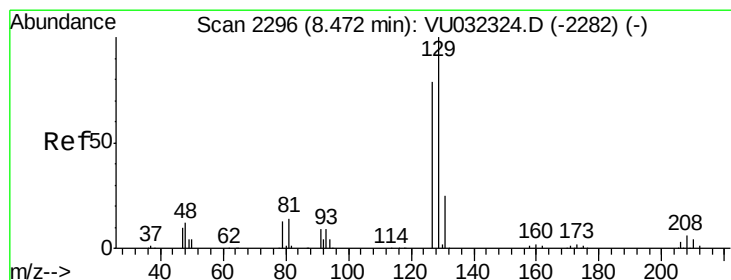
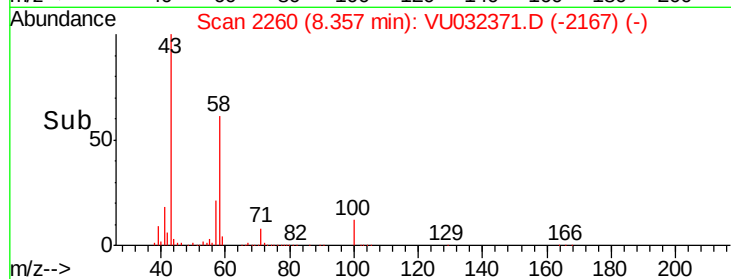
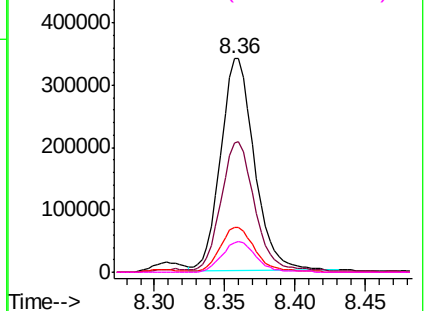
#48
2-Hexanone
Concen: 95.374 ug/L
RT: 8.36 min Scan# 2260
Delta R.T. -0.00 min
Lab File: VU032371.D
Acq: 30 May 2019 11:04

Instrument :
MSVOA_U
ClientSampleId :
VSTD05054

Tgt Ion:	43	Resp:	569020
Ion	Ratio	Lower	Upper
43	100		
58	62.8	48.6	73.0
57	21.7	17.0	25.4
100	14.8	11.0	16.4

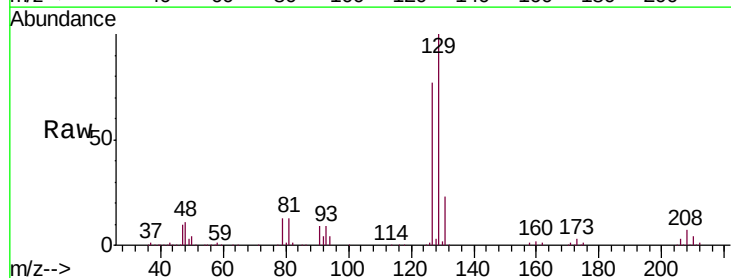


Abundance Ion 43.00 (42.70 to 43.70): VU032324.D (-2250) (-)
Ion 58.00 (57.70 to 58.70): VU032324.D (-2250) (-)
Ion 57.00 (56.70 to 57.70): VU032324.D (-2250) (-)
Ion 100.00 (99.70 to 100.70): VU032324.D (-2250) (-)

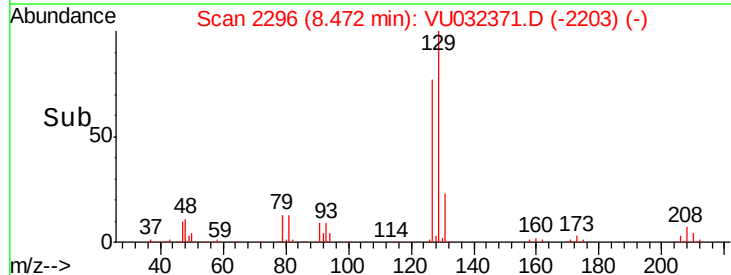
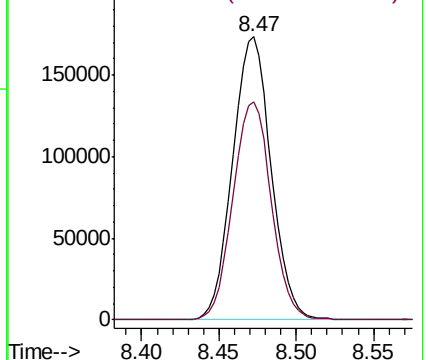


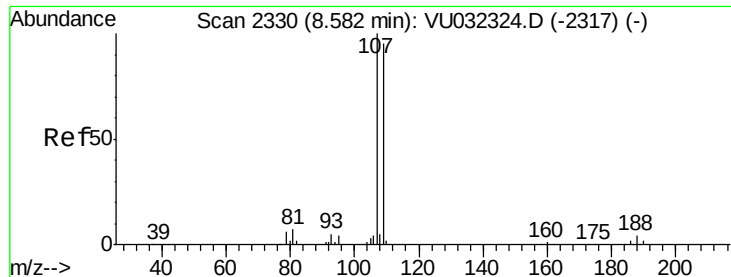
#49
Dibromochloromethane
Concen: 50.553 ug/L
RT: 8.47 min Scan# 2296
Delta R.T. -0.00 min
Lab File: VU032371.D
Acq: 30 May 2019 11:04

Tgt Ion:	129	Resp:	300167
Ion	Ratio	Lower	Upper
129	100		
127	76.9	53.3	99.1



Abundance Ion 129.00 (128.70 to 129.70): VU032324.D (-2282) (-)
Ion 127.00 (126.70 to 127.70): VU032324.D (-2282) (-)

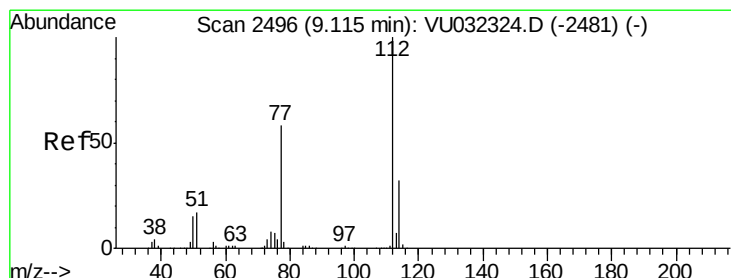
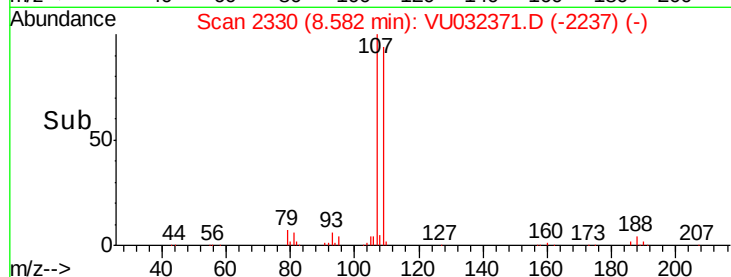
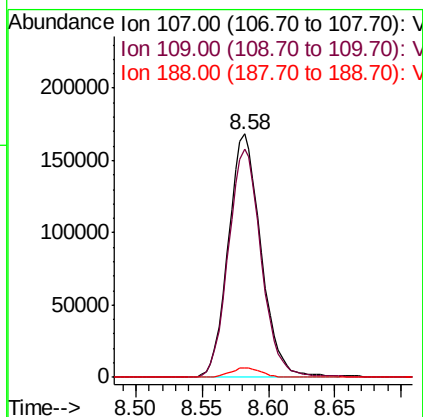
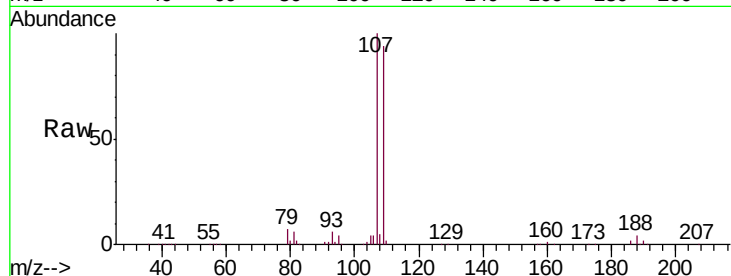




#50
 1,2-Dibromoethane
 Concen: 49.913 ug/L
 RT: 8.58 min Scan# 2330
 Delta R.T. -0.00 min
 Lab File: VU032371.D
 Acq: 30 May 2019 11:04

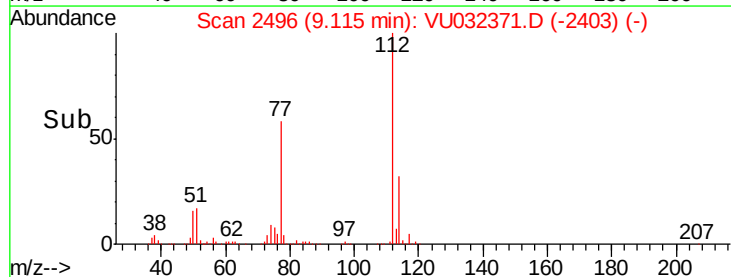
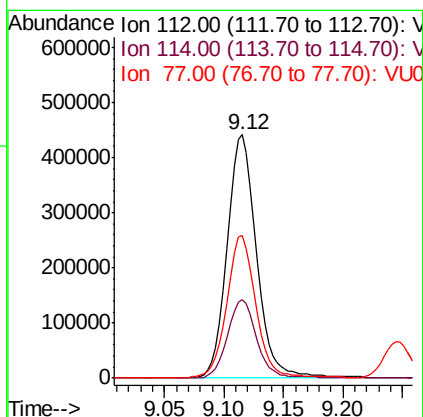
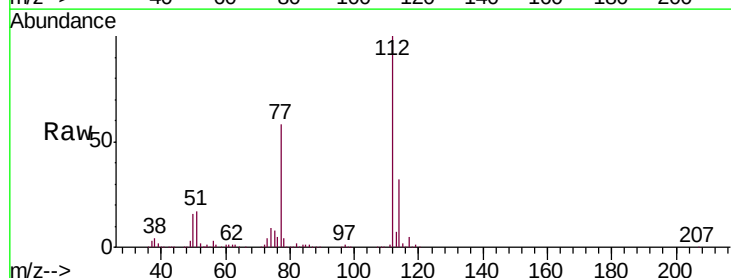
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD05054

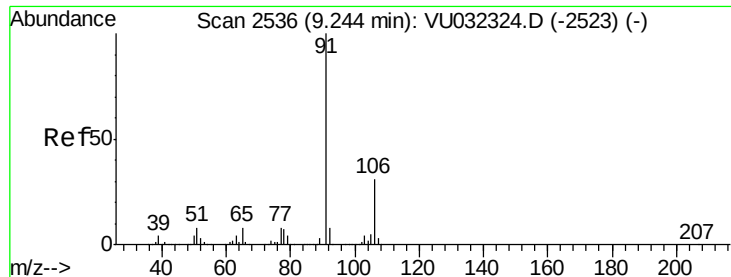
Tgt Ion	Ratio	Lower	Upper
107	100		
109	93.5	66.7	123.9
188	4.1	3.0	4.6



#51
 Chlorobenzene
 Concen: 50.257 ug/L
 RT: 9.12 min Scan# 2496
 Delta R.T. -0.00 min
 Lab File: VU032371.D
 Acq: 30 May 2019 11:04

Tgt Ion	Ratio	Lower	Upper
112	100		
114	32.3	22.9	42.5
77	58.3	45.8	68.8





#52

Ethylbenzene

Concen: 51.369 ug/L

RT: 9.24 min Scan# 2536

Delta R.T. -0.00 min

Lab File: VU032371.D

Acq: 30 May 2019 11:04

Instrument :

MSVOA_U

ClientSampleId :

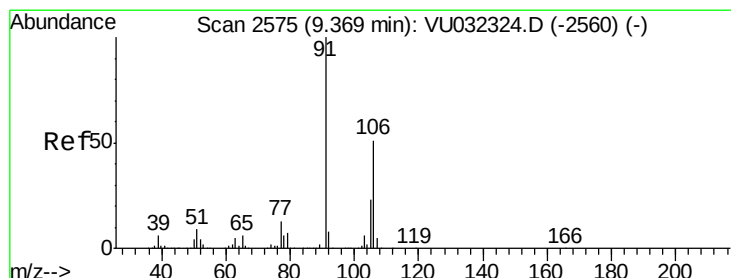
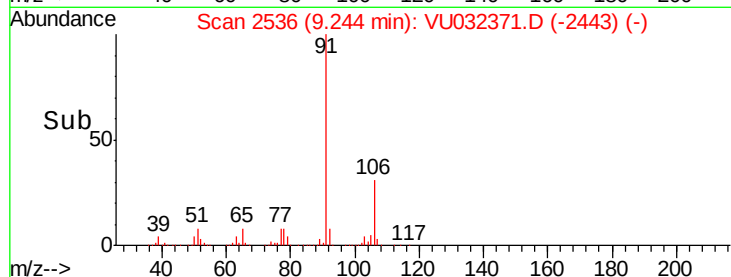
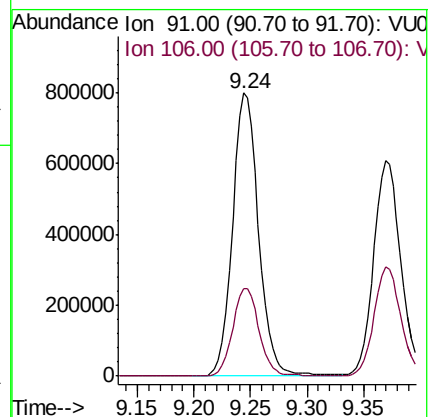
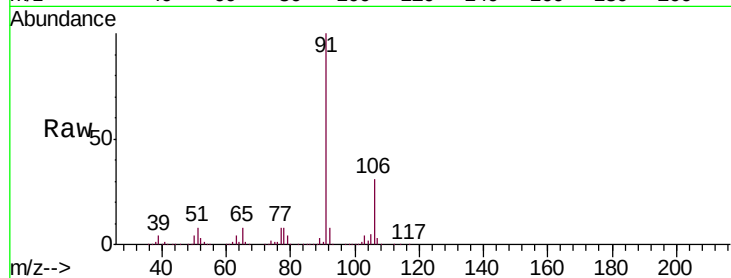
VSTD05054

Tgt Ion: 91 Resp: 1281626

Ion Ratio Lower Upper

91 100

106 30.8 22.0 40.8



#53

m,p-Xylene

Concen: 53.589 ug/L

RT: 9.37 min Scan# 2575

Delta R.T. -0.00 min

Lab File: VU032371.D

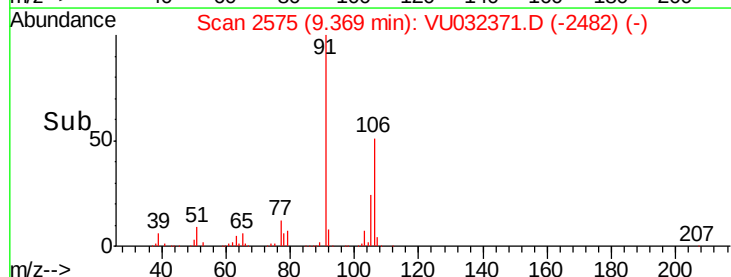
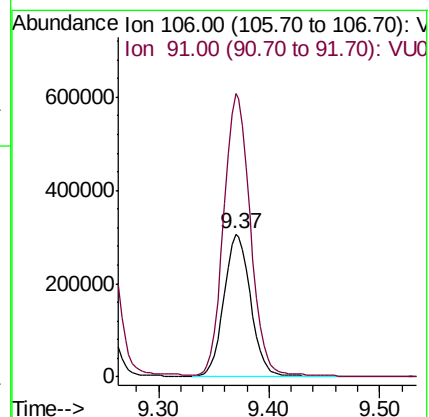
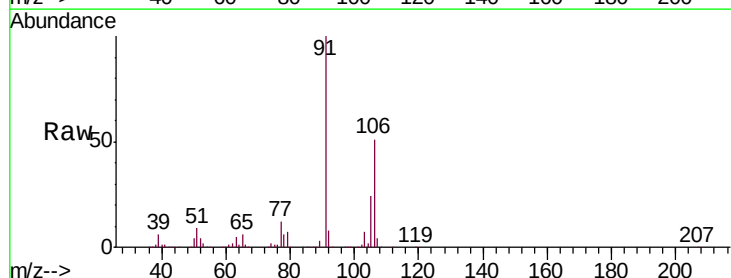
Acq: 30 May 2019 11:04

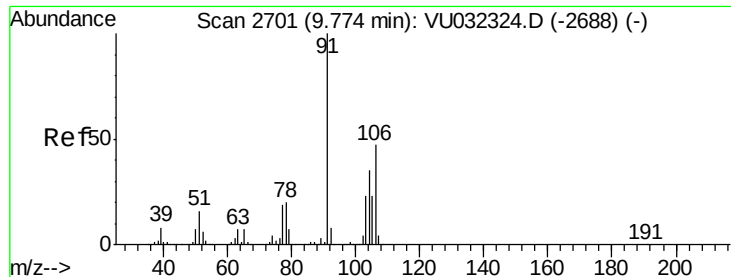
Tgt Ion: 106 Resp: 514413

Ion Ratio Lower Upper

106 100

91 197.8 138.8 257.8





#54

o-xylene

Concen: 52.238 ug/L

RT: 9.77 min Scan# 2701

Delta R.T. -0.00 min

Lab File: VU032371.D

Acq: 30 May 2019 11:04

Instrument :

MSVOA_U

ClientSampleId :

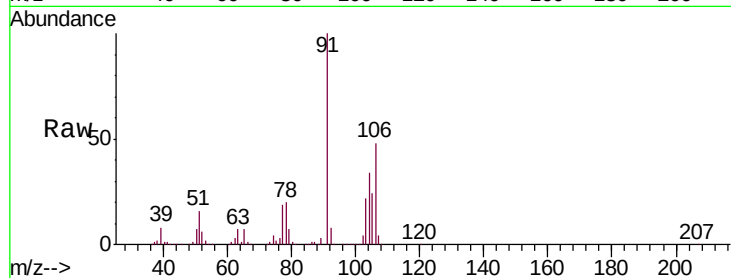
VSTD05054

Tgt Ion:106 Resp: 503287

Ion Ratio Lower Upper

106 100

91 207.7 147.5 273.9



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VU0

800000

600000

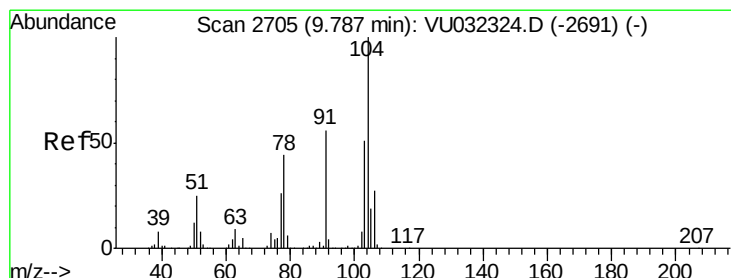
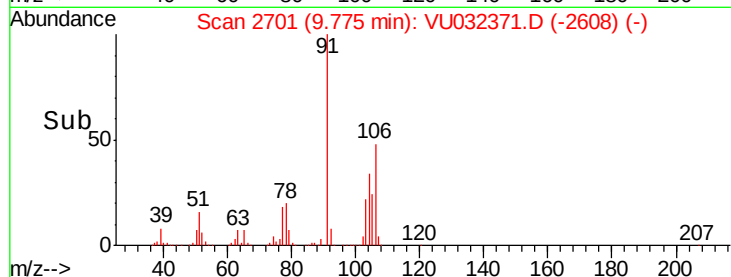
400000

200000

0

9.70 9.75 9.80 9.85

Time-->



#55

Styrene

Concen: 54.624 ug/L

RT: 9.79 min Scan# 2705

Delta R.T. -0.00 min

Lab File: VU032371.D

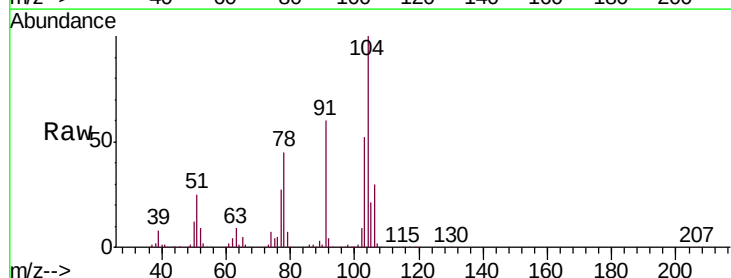
Acq: 30 May 2019 11:04

Tgt Ion:104 Resp: 882892

Ion Ratio Lower Upper

104 100

78 44.7 31.5 58.5



Abundance Ion 104.00 (103.70 to 104.70): V

Ion 78.00 (77.70 to 78.70): VU0

600000

500000

400000

300000

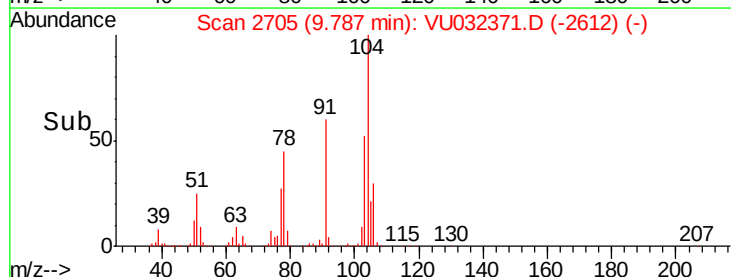
200000

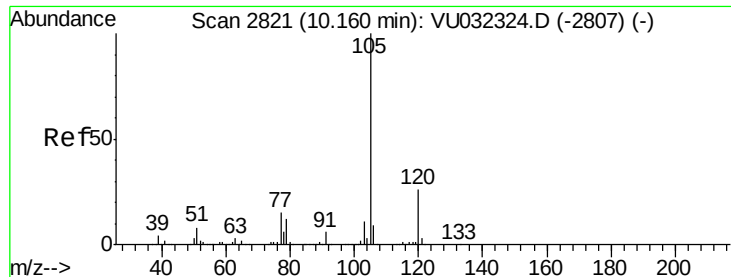
100000

0

9.70 9.80 9.90

Time-->





#56

Isopropylbenzene

Concen: 52.704 ug/L

RT: 10.16 min Scan# 2821

Delta R.T. -0.00 min

Lab File: VU032371.D

Acq: 30 May 2019 11:04

Instrument :

MSVOA_U

ClientSampleId :

VSTD05054

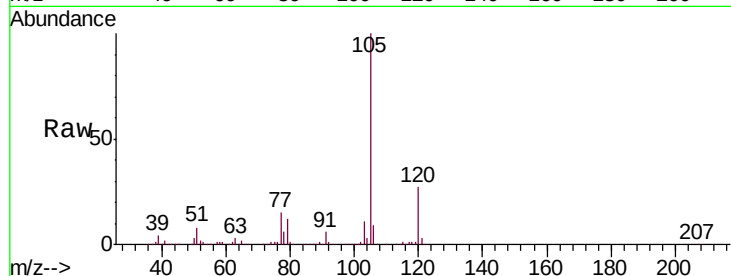
Tgt Ion:105 Resp: 1288487

Ion Ratio Lower Upper

105 100

120 26.6 21.0 31.4

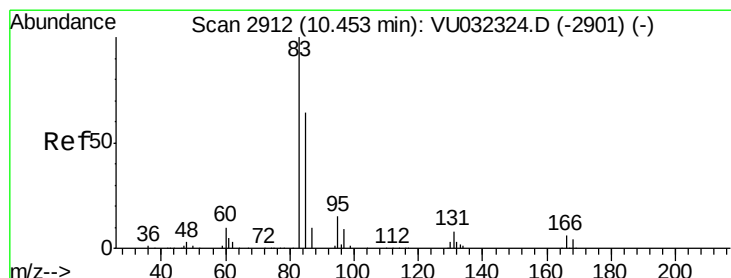
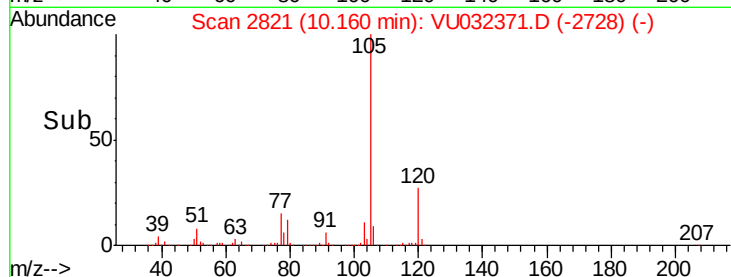
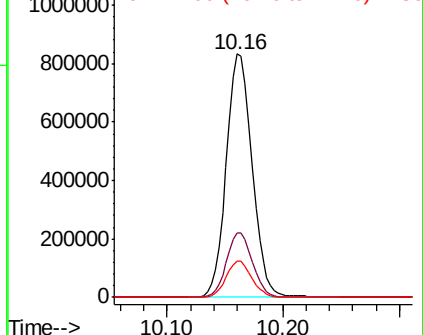
77 14.9 11.8 17.6



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: 48.924 ug/L

RT: 10.45 min Scan# 2912

Delta R.T. -0.00 min

Lab File: VU032371.D

Acq: 30 May 2019 11:04

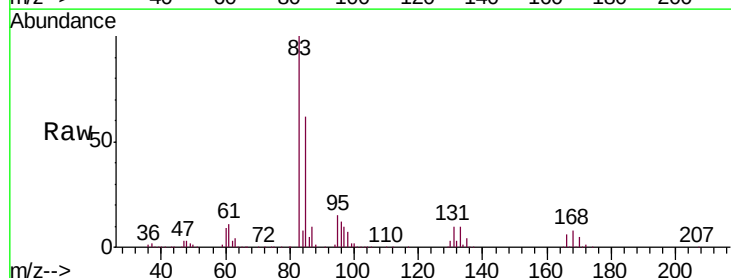
Tgt Ion: 83 Resp: 463116

Ion Ratio Lower Upper

83 100

85 62.1 44.3 82.3

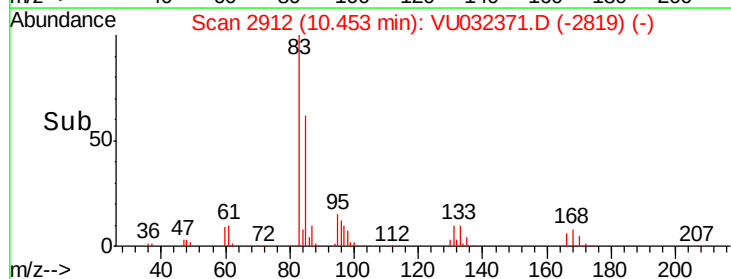
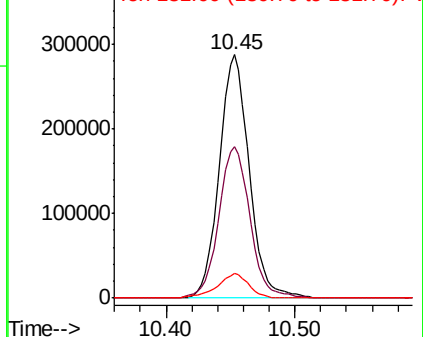
131 9.9 7.6 11.4

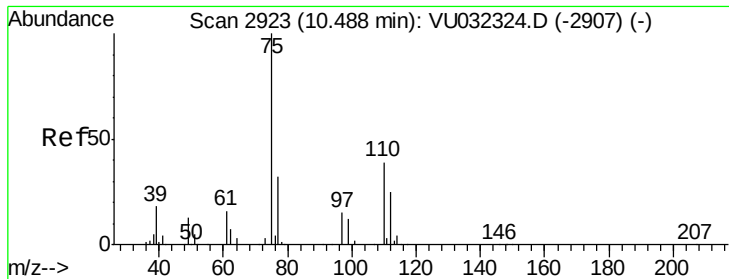


Abundance Ion 83.00 (82.70 to 83.70): V

Ion 85.00 (84.70 to 85.70): V

Ion 131.00 (130.70 to 131.70): V

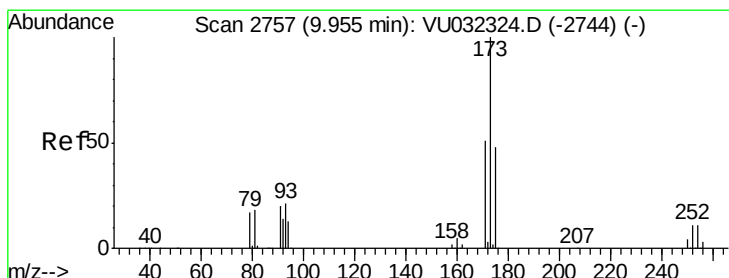
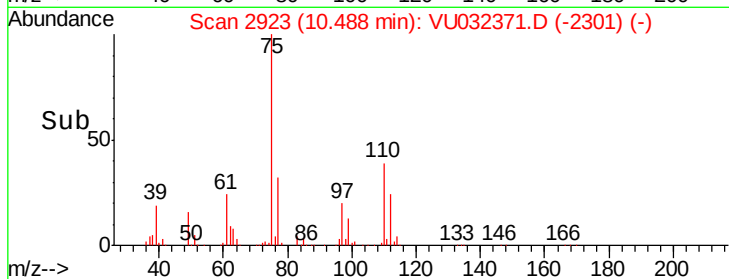
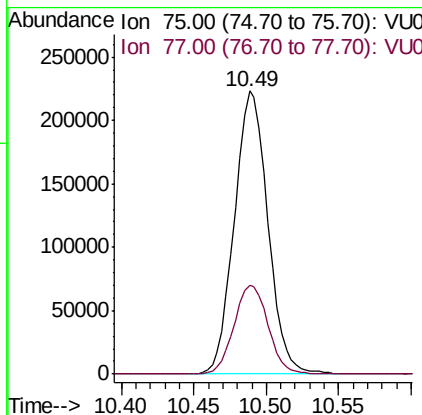
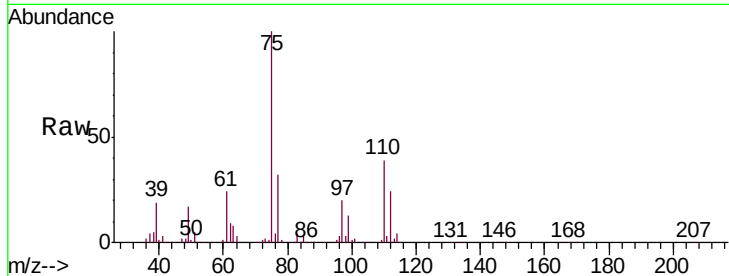




#59
 1,2,3-Trichloropropane
 Concen: 48.303 ug/L
 RT: 10.49 min Scan# 2923
 Delta R.T. -0.00 min
 Lab File: VU032371.D
 Acq: 30 May 2019 11:04

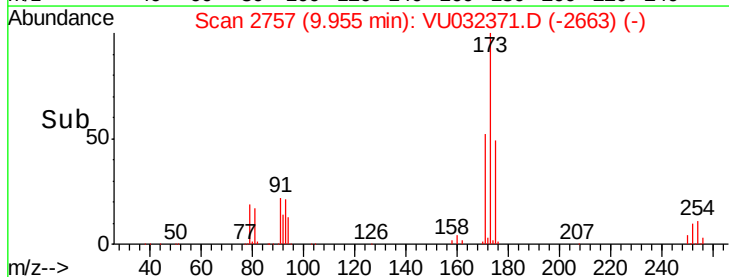
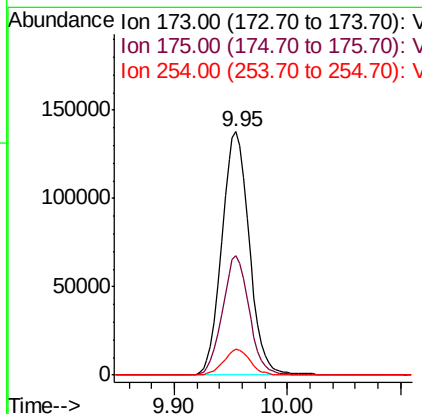
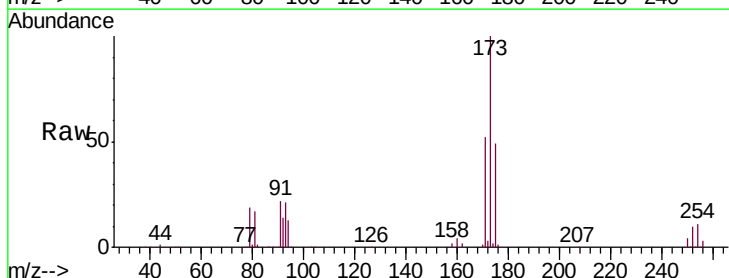
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD05054

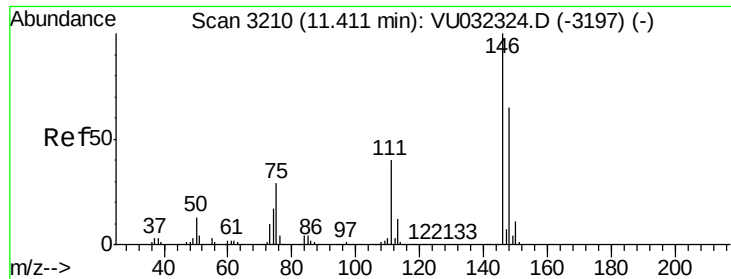
Tgt Ion: 75 Resp: 359251
 Ion Ratio Lower Upper
 75 100
 77 32.1 25.8 38.8



#61
 Bromoform
 Concen: 46.588 ug/L
 RT: 9.95 min Scan# 2757
 Delta R.T. 0.00 min
 Lab File: VU032371.D
 Acq: 30 May 2019 11:04

Tgt Ion: 173 Resp: 232876
 Ion Ratio Lower Upper
 173 100
 175 47.8 38.8 58.2
 254 10.3 7.5 11.3





#62

1,3-Dichlorobenzene

Concen: 50.325 ug/L

RT: 11.41 min Scan# 3211

Delta R.T. 0.00 min

Lab File: VU032371.D

Acq: 30 May 2019 11:04

Instrument :

MSVOA_U

ClientSampleId :

VSTD05054

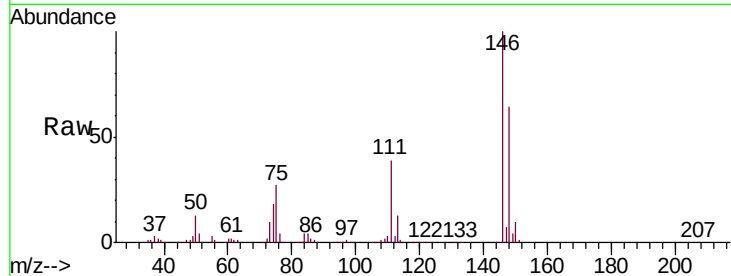
Tgt Ion:146 Resp: 605022

Ion Ratio Lower Upper

146 100

111 38.7 27.6 51.2

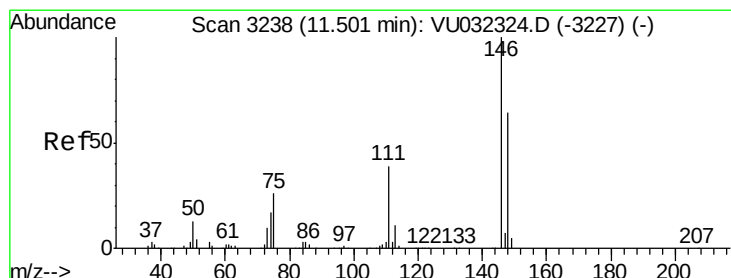
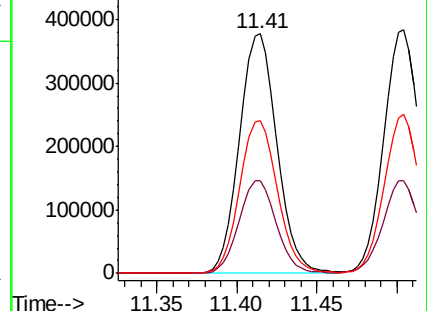
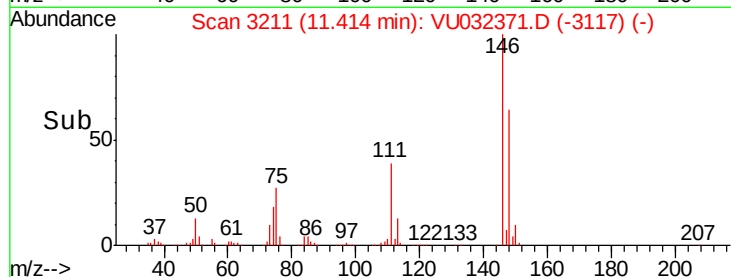
148 64.0 44.7 82.9



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: 50.080 ug/L

RT: 11.50 min Scan# 3239

Delta R.T. -0.00 min

Lab File: VU032371.D

Acq: 30 May 2019 11:04

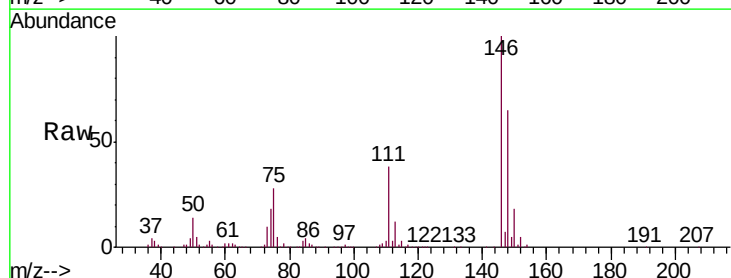
Tgt Ion:146 Resp: 621434

Ion Ratio Lower Upper

146 100

111 38.0 25.6 47.4

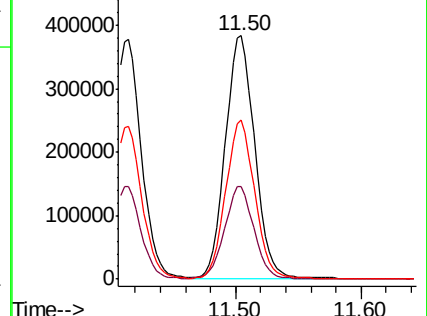
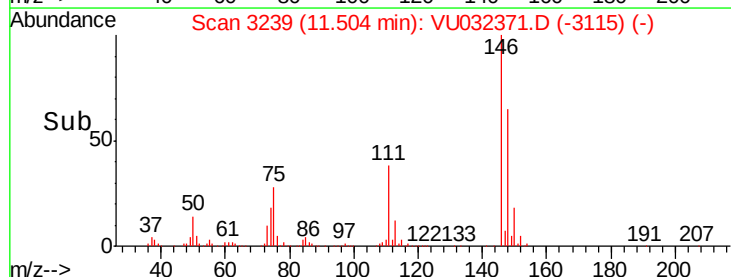
148 65.3 45.0 83.6

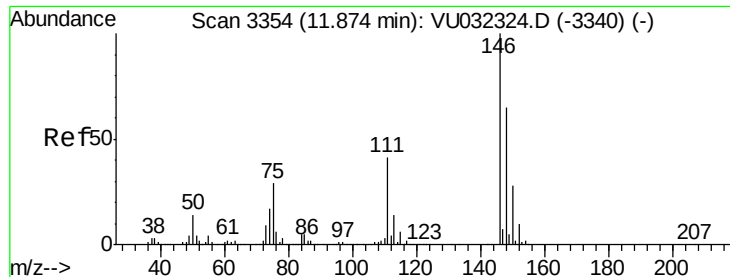


Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V

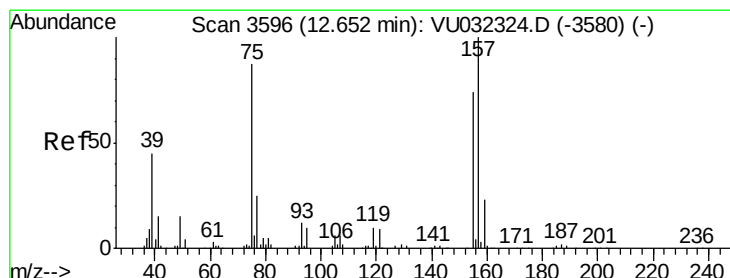
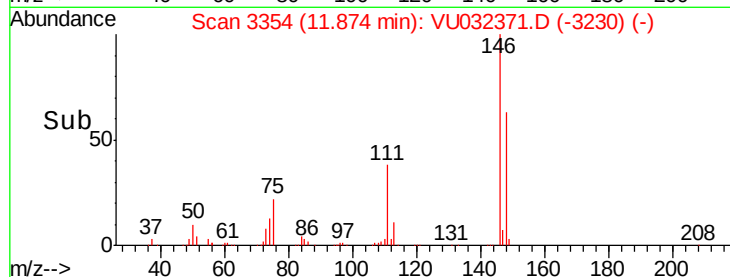
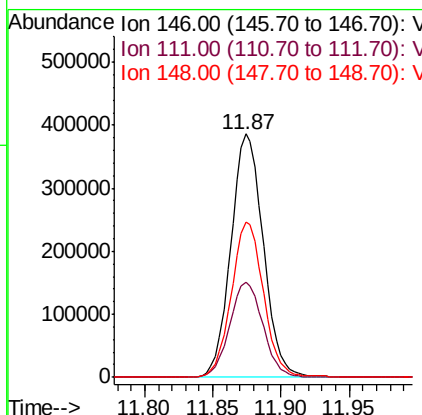
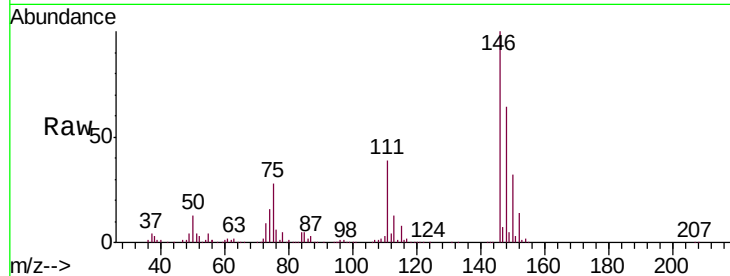




#65
 1,2-Dichlorobenzene
 Concen: 50.303 ug/L
 RT: 11.87 min Scan# 3354
 Delta R.T. -0.00 min
 Lab File: VU032371.D
 Acq: 30 May 2019 11:04

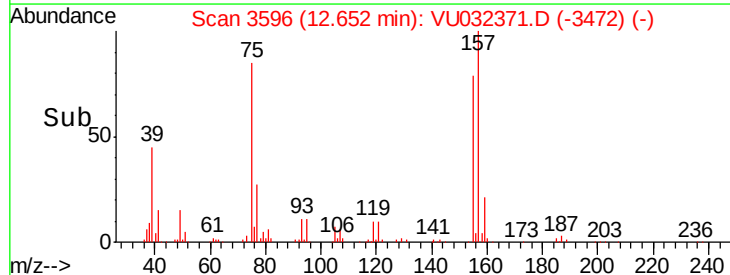
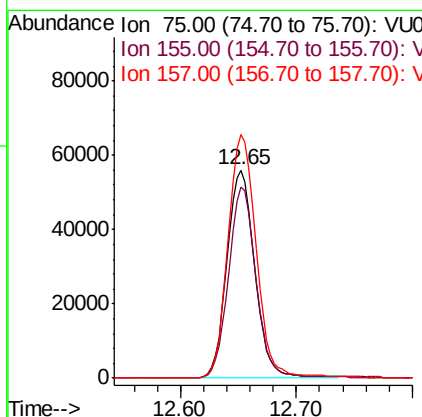
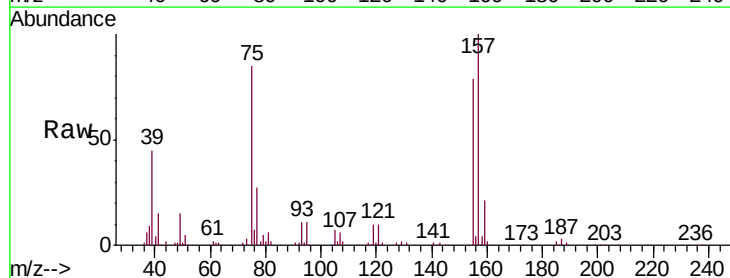
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD05054

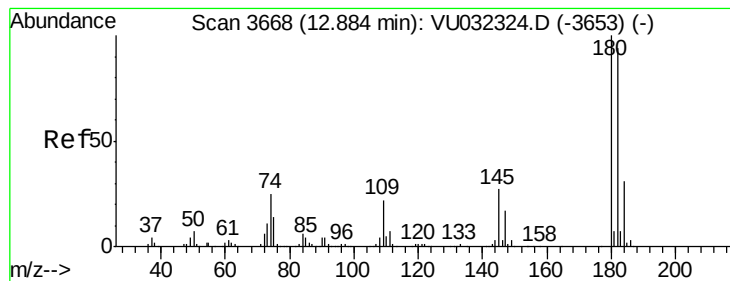
Tgt Ion:146 Resp: 636636
 Ion Ratio Lower Upper
 146 100
 111 38.9 33.1 49.7
 148 63.7 52.3 78.5



#66
 1,2-Dibromo-3-chloropropane
 Concen: 44.758 ug/L
 RT: 12.65 min Scan# 3596
 Delta R.T. -0.00 min
 Lab File: VU032371.D
 Acq: 30 May 2019 11:04

Tgt Ion: 75 Resp: 92817
 Ion Ratio Lower Upper
 75 100
 155 92.1 69.5 104.3
 157 117.1 89.8 134.6





#67

1,3,5-Trichlorobenzene

Concen: 51.772 ug/L

RT: 12.88 min Scan# 3668

Delta R.T. -0.00 min

Lab File: VU032371.D

Acq: 30 May 2019 11:04

Instrument :

MSVOA_U

ClientSampleId :

VSTD05054

Tgt Ion:180 Resp: 464298

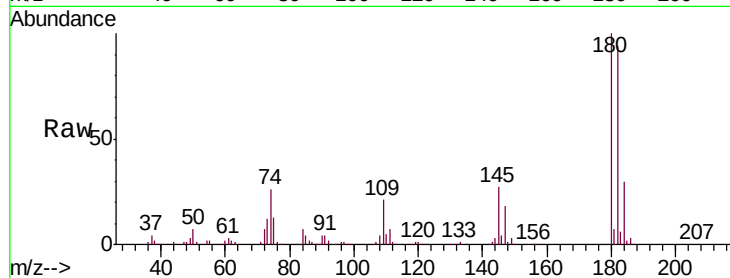
Ion Ratio Lower Upper

180 100

182 95.1 78.3 117.5

184 30.3 25.0 37.4

145 27.6 22.6 33.8

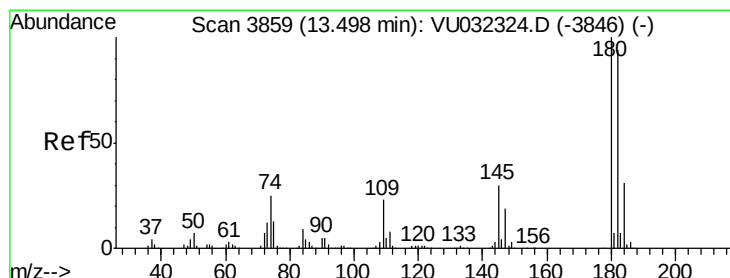
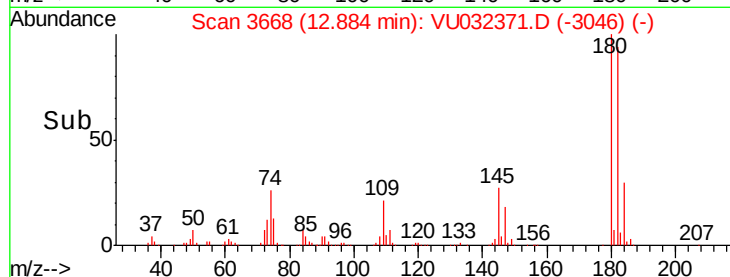
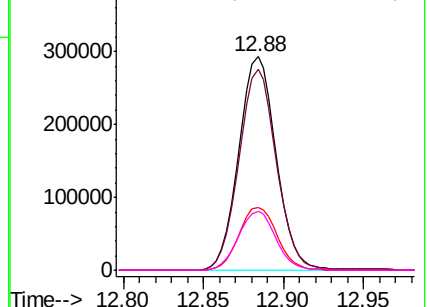


Abundance Ion 180.00 (179.70 to 180.70): V

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: 51.813 ug/L

RT: 13.50 min Scan# 3859

Delta R.T. -0.00 min

Lab File: VU032371.D

Acq: 30 May 2019 11:04

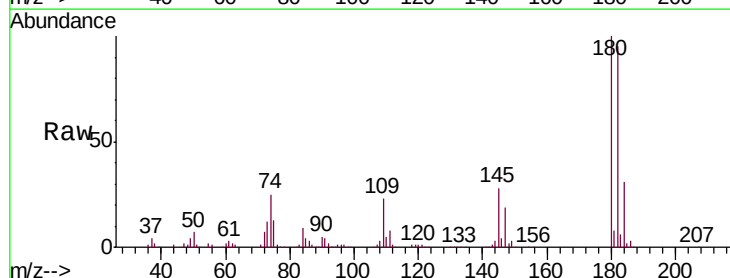
Tgt Ion:180 Resp: 357075

Ion Ratio Lower Upper

180 100

182 98.3 78.2 117.4

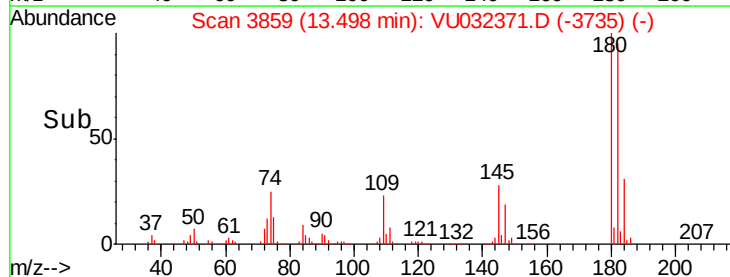
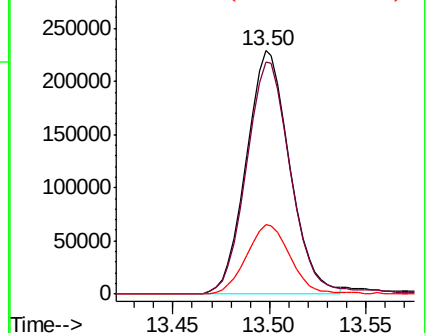
145 29.0 23.0 34.4

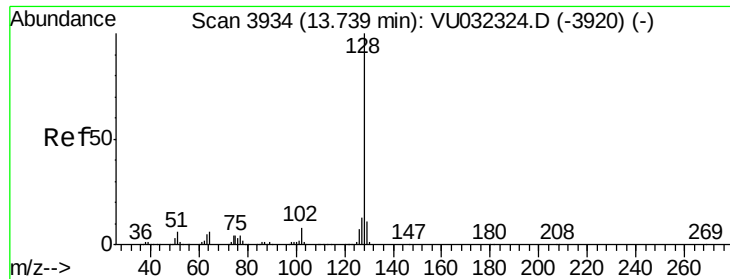


Abundance Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

Ion 145.00 (144.70 to 145.70): V





#69

Naphthalene

Concen: 52.643 ug/L

RT: 13.74 min Scan# 3934

Delta R.T. -0.00 min

Lab File: VU032371.D

Acq: 30 May 2019 11:04

Instrument :

MSVOA_U

ClientSampleId :

VSTD05054

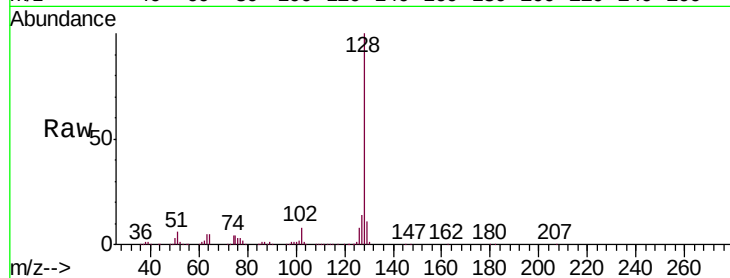
Tgt Ion:128 Resp: 1086145

Ion Ratio Lower Upper

128 100

127 13.0 10.1 15.1

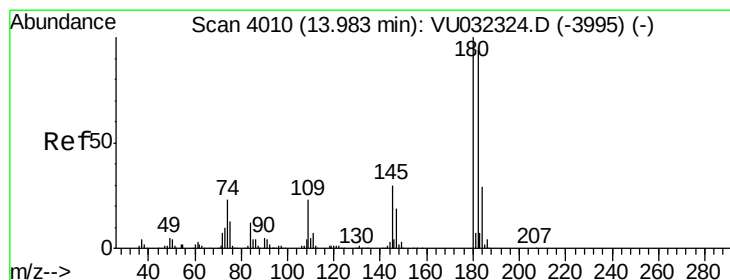
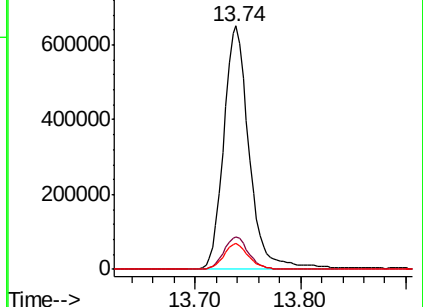
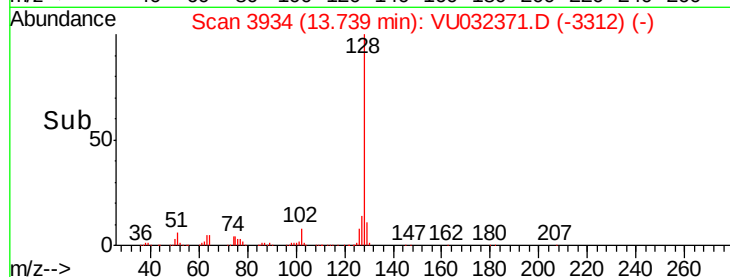
129 10.4 8.7 13.1



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: 54.297 ug/L

RT: 13.98 min Scan# 4010

Delta R.T. -0.00 min

Lab File: VU032371.D

Acq: 30 May 2019 11:04

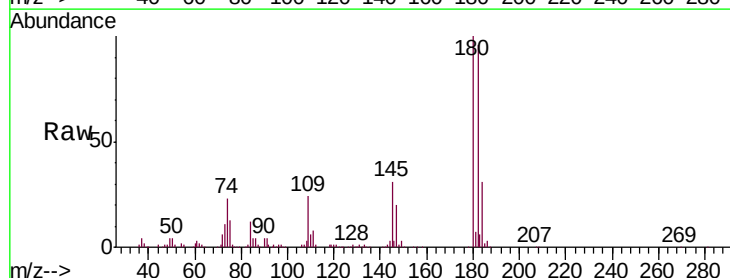
Tgt Ion:180 Resp: 404727

Ion Ratio Lower Upper

180 100

182 94.4 77.7 116.5

145 30.0 24.3 36.5



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

